

6/14/2010 12:44 PM
Z:\MESA PROJECTS\MESA_JOBS\2010\010001 SUU IELCH BLDG RENOV\DWG\3-CUT SHIS\010001-1 SUU COVLT-01.dwg
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APPLICABLE CODES			
	Year		Year
International Building Code	2006	National Electrical Code	2008
International Mechanical Code	2006	Uniform Code for	
International Plumbing Code	2006	Building Conservation	
International Fire Code	2006	ADA Accessibility	N/A
International Energy		Guidelines	A117-1-2006
Conservation Code	2006	* INT'L EXISTING BLDG CODE	2006

Element	Hours	Assembly Listing	Element	Hours	Assembly Listing
Exterior Bearing Walls	0		Floors - Ceiling Floors	0	
Interior Bearing Walls	0		Roofs - Ceiling Roofs	0	
Exterior Non-Bearing Walls	0		Exterior Doors and Windows	0	
Structural Frame	0		Shaft Enclosures	0	
Partitions - Permanent	0		Fire Walls	0	
Fire Barriers	0		Fire Partitions	0	
			Smoke Partitions	0	

M. Minimum Number of Required Plumbing Facilities: N/A

a) Water Closets - Required (m) N/A (f) _____ Provided (m) _____ (f) _____

b) Lavatories - Required (m) N/A (f) _____ Provided (m) _____ (f) _____

c) Bath Tubs or Showers: N/A

d) Drinking Fountains: N/A Service Sinks: N/A

- 1) In case of conflict with the U.S. Department of Justice Federal Registers Parts I through V - ADA Guidelines and specific reference to the International Building Code Accessibility Chapters, the more restrictive requirement shall govern.
- 2) Additional Code Information shall be provided at the discretion of the Building Official for Complex Buildings. Including, but not limited to:
 - a) High Rise Requirements.
 - b) Atriums.
 - c) Performance Based Criteria.
 - d) Means or Egress Analysis.
 - e) Fire Assembly Locator Sheet.
 - f) Exterior and Interior Accessibility Route.
 - g) Fire Stopping, Including Tested Design Number.

4110 State Office Building/Salt Lake City, Utah 84114/538-3018

Phase	<u>CONSTRUCTION DOCUMENTS</u>				Program		
	Agreement as noted	Revised Production	No Comment	Initial		Yes	No
Accessibility	_____	_____	_____	_____	_____	_____	
Architectural	_____	_____	_____	_____	_____	_____	
Civil	_____	_____	_____	_____	_____	_____	
Electrical	_____	_____	_____	_____	_____	_____	
Energy	_____	_____	_____	_____	_____	_____	
HVAC	_____	_____	_____	_____	_____	_____	
Landscape	_____	_____	_____	_____	_____	_____	
Plumbing	_____	_____	_____	_____	_____	_____	
Specification	_____	_____	_____	_____	_____	_____	
Structural	_____	_____	_____	_____	_____	_____	

APPROVAL DOES NOT RELIEVE A/E OF DESIGN LIABILITY

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351 WEST UNIVERSITY BLVD.
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SUBMITTAL

REVISIONS

DATE 3/22/2010

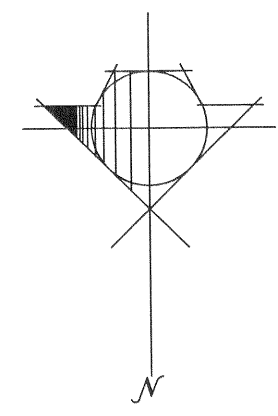
PROJECT NO. 010001

SHEET

COVER SHEET

SHEET NO.

G101



COVERED PEDESTRIAN WALKWAY SAFTEY PLAN

- ① 8'-0" HIGH TEMP.SECURITY / CONSTRUCTION FENCE
- ② 8'-0" HIGH TEMP. SECURITY GATE
- ③ EXISTING CONC. WALK
- ④ PROVIDE COVERED PEDESTRIAN WALK BARRIER IN LOCATIONS SHOWN AS REQUIRED BY IBC SECTION 3306, (SEE COVERED WALKWAY TYPICAL DETAILS)
- ⑤ MECHANICAL ROOM DOOR TO REMAIN LOCKED DURING WORKING HOURS
- ⑥ STORAGE ROOM DOOR ON LOWER LEVEL TO REMAIN CLOSED TO PEDESTRIANS DURING ROOF CONSTRUCTION
- ⑦ OVERHEAD DOOR TO REMAIN CLOSED DURING ROOF CONSTRUCTION
- ⑧ CONSTRUCTION STAGING AREA TO BE CLOSED TO PEDESTRIANS DURING CONSTRUCTION
- ⑨ WALK WAY TO BE CLOSED DURING CONSTRUCTION. PROVIDE A BARRIER AT END AND ATTACHED TO COVERED WALK AND A WALK CLOSED SIGN
- ⑩ PROVIDE FREE STANDING WALKWAY CLOSED BARRIER W/SIGN
- ⑪ EXISTING TREE REQUIRES TRIMMING FOR COVERED WALKWAY STRUCTURE, REVIEW ALL TRIMMING W/ CAMPUS LANDSCAPING PRIOR TO ANY TRIMMING
- ⑫ DOOR TO REMAIN CLOSED DURING ROOF CONSTRUCTION

1 REVIEW WITH SOUTHERN UTAH UNIVERSITY
FIRE MARSHAL FOR APPROVAL OF ALL
PEDESTRIAN SAFETY PLANS PRIOR TO
CONSTRUCTION

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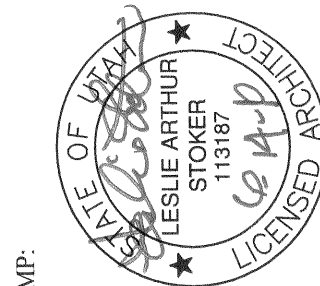
DATE
3/22/2010
PROJECT NO.
010001

SHEET

COVERED
PEDESTRIAN
WALK
SAFETY PLAN

SHEET NO.

A101

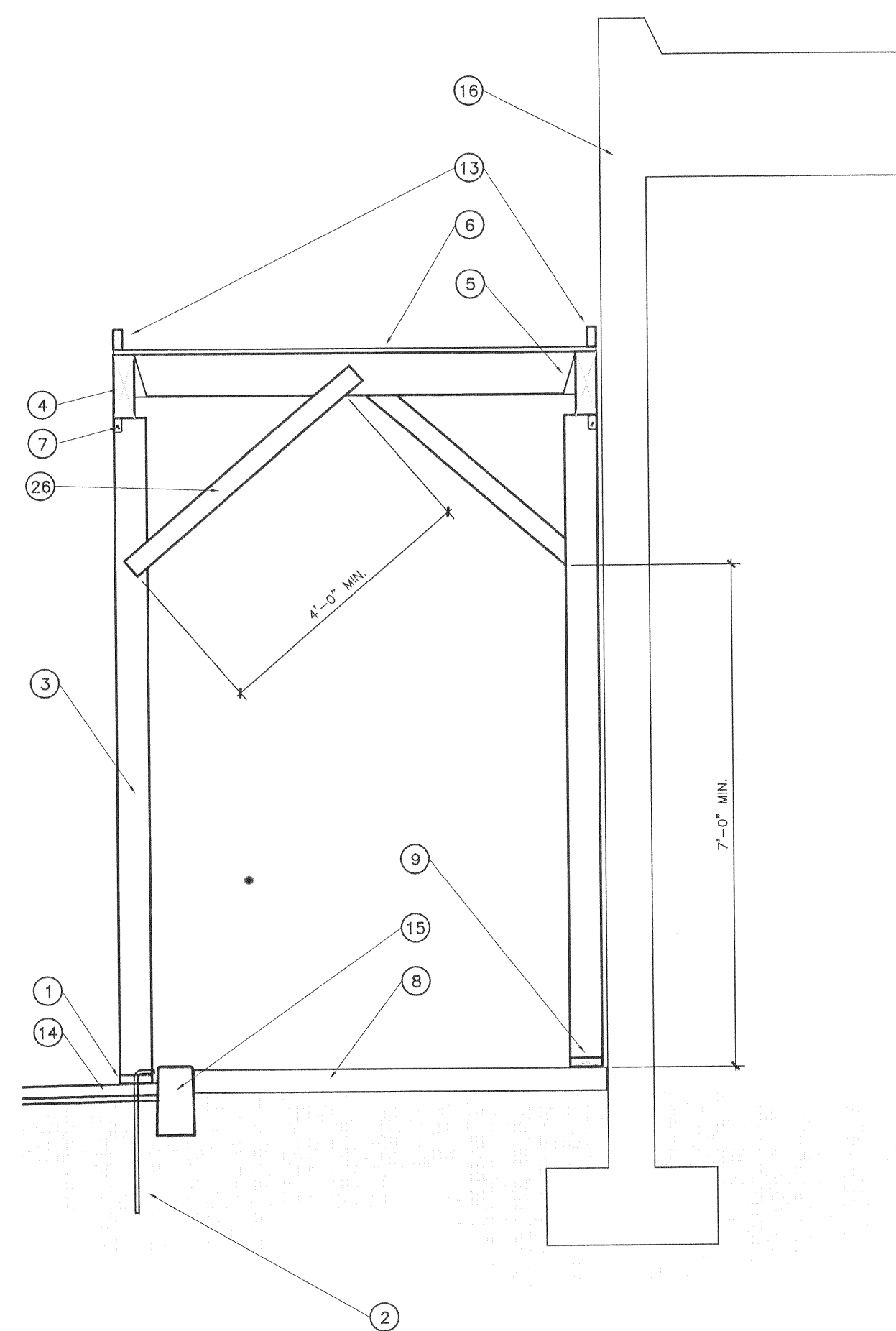


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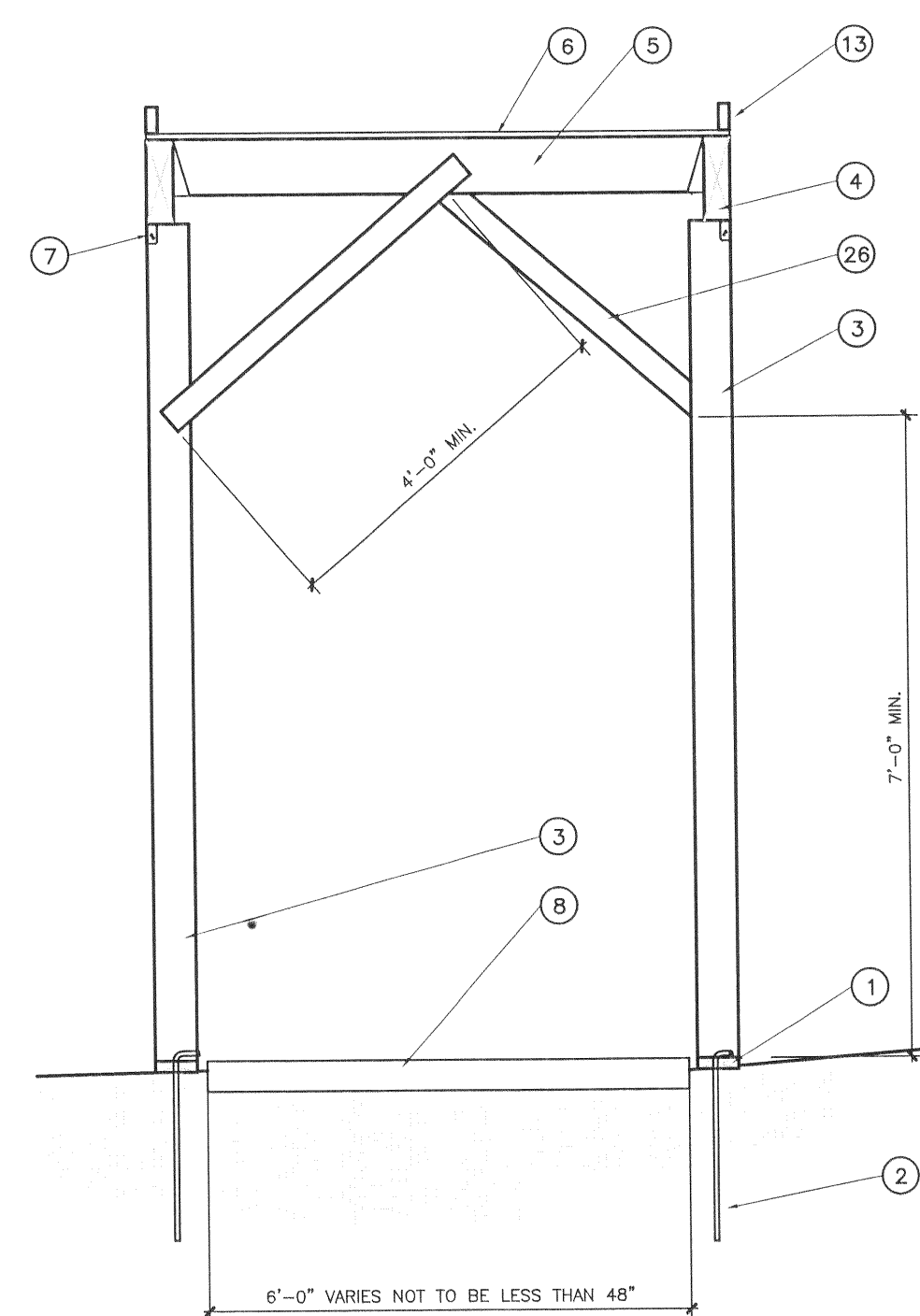
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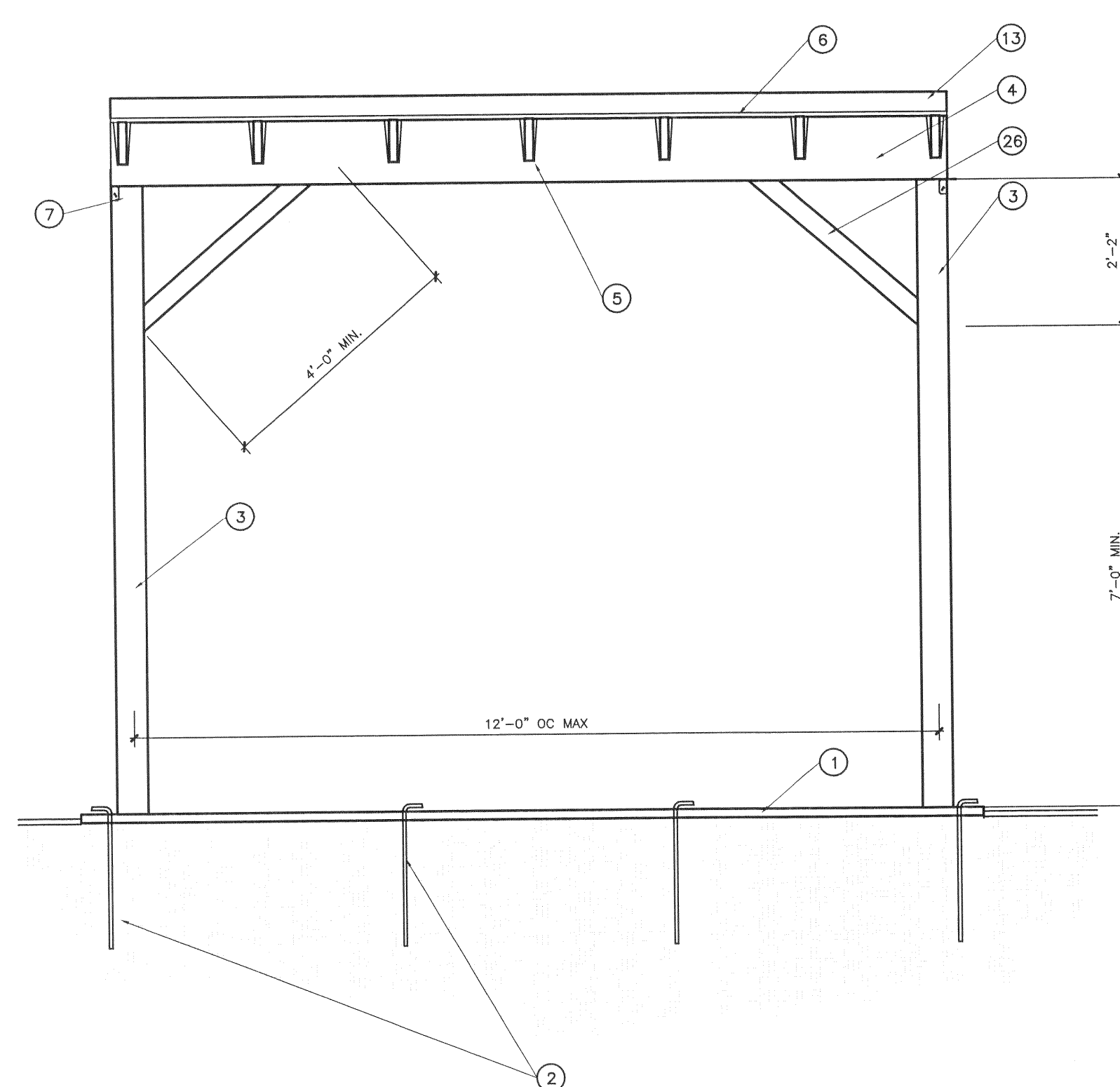
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ST GEORGE, UT 84770



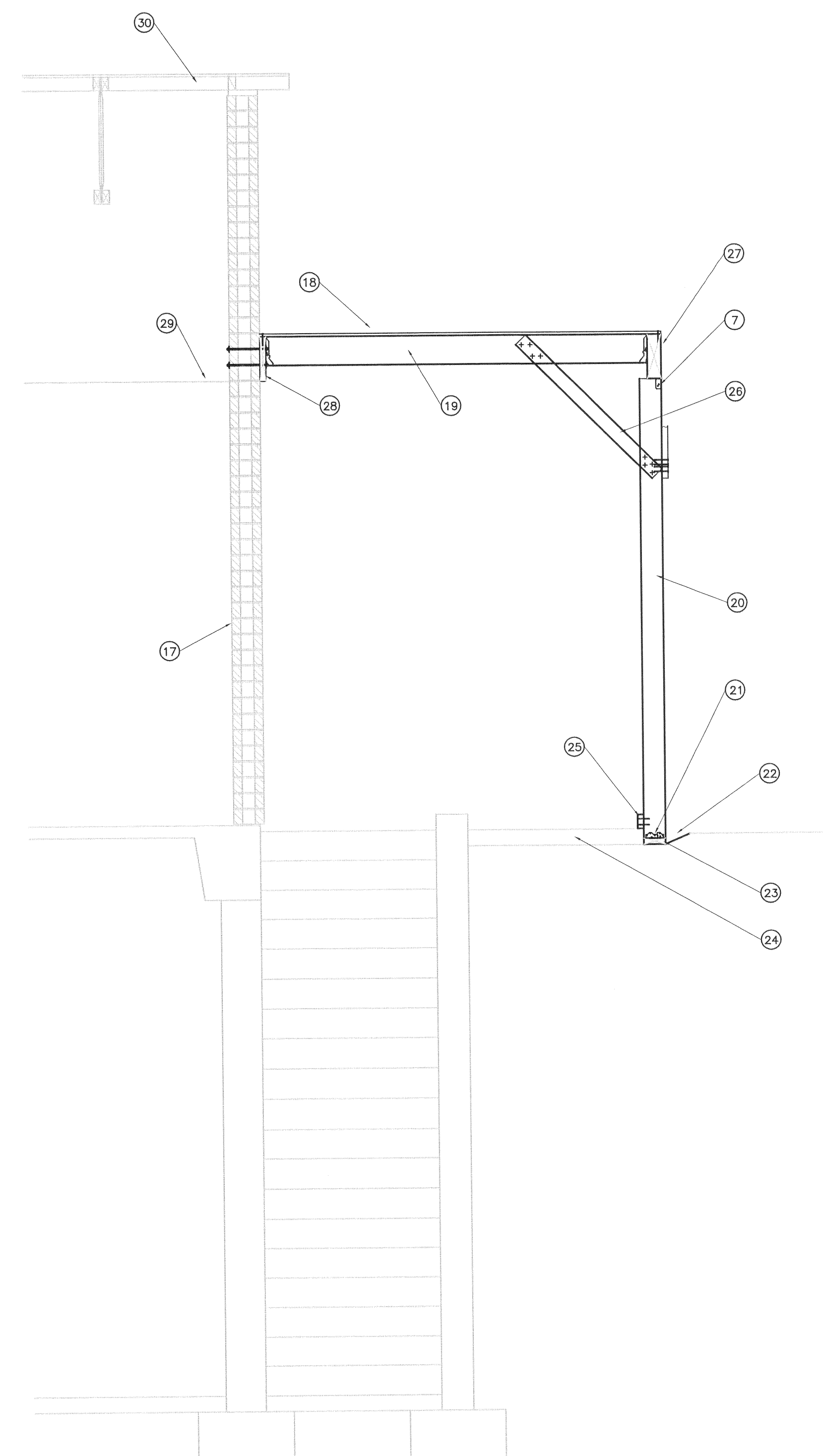
F1	WALKWAY SECTION @ CURB
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$$1/2'' = 1' - 0''$$


A1	TYP. WALKWAY SECTION
----	----------------------

$$1/2'' = 1' - 0''$$


A5	TYP. WALKWAY SECTION
----	----------------------

$$1/2'' = 1' - 0''$$


A9	WALKWAY SECTION @ BASEMENT STAIR
----	----------------------------------

$$1/2'' = 1' - 0''$$

- ## KEYNOTES
- ① 2X6 WD. BASE PLATE FDN. PLACE NEXT TO CONC. WALKS WHERE POSSIBLE ON LEVEL GRADE
 - ② #5 HOOKED REBAR 24"x LONG W/ 3" HOOK, SPACED AT 4'-0" O.C. THRU PLATE
 - ③ 4X6 WD. COLUMN AT 12'-0" OC MAX. FASTEN TO PLATE WITH SIMPSON A34 FASTENER EACH SIDE
 - ④ 4X12 WD. STRINGER, FASTEN TO COLUMN W/ EPC OR PC SIMPSON POST CAP
 - ⑤ 2X8 JOIST, FASTEN TO STRINGER W/ SIMPSON JB28 HANGER
 - ⑥ 23/32" STRUCT 1 PLYWD SHEATHING
 - ⑦ SIMPSON ACE4 OR AC4 POST CAP
 - ⑧ EXISTING CONC WALL/EXISTING CEILING
 - ⑨ WHERE 2X6 BASE PLATE SETS ON CONC FASTEN W/ XDN1 POWER DRIVER FASTENER AT 12" O.C.
 - ⑩ FASTNERS TO BE LOCATED AT 9" FROM END
 - ⑪ PROVIDE COLUMN AT BOTTOM OF STAIR
 - ⑫ EXISTING CONC STAIRS
 - ⑬ PROVIDE UP RIGHT 2X4 AT PERIMETER OF SHEATHING, AS SHOWN
 - ⑭ EXISTING ASPHALT
 - ⑮ EXISTING CONC. CURB
 - ⑯ EXISTING ADJACENT BUILDING
 - ⑰ EXISTING MASONRY WALL
 - ⑱ 23/32" APA RATED STRUC 1 SHEATHING EN W/10d @ 6" OC & FN W/10d @ 12" OC
 - ⑲ 2X8 DF#2 JOIST @ 24" OC MAX W/SIMPSON JB28 @ EACH END
 - ⑳ 4X6 DF#2 POST @ 12'-0" OC MAX
 - ㉑ SIMPSON A35 CLIP EACH SIDE OF POST
 - ㉒ GRADE AS REQUIRED TO PLACE CONT PLATE @ BOTTOM OF EXISTING SIDEWALK
 - ㉓ CONT 2X6 PLATE
 - ㉔ EXISTING CONC SIDEWALK
 - ㉕ CONT 2X4 CURB NAILED TO POST W/3/16d
 - ㉖ 2X4 DIAG BRACING X 4'-0" @ EACH POST
 - ㉗ CONT 4X12 DF#2 BEAM WITH SPLICE CTRD @ POST
 - ㉘ CONT 2X12 DF#2 LEDGER FASTENED TO EXISTING MASONRY WALL ABOVE EXISTING CEILING W/ (2) 5/16" @ THRD A36 RODS @ 12" OC MAX W/ NUT & WASHER @ EACH END (ROD SHALL BE PLACED IN BED JOINTS OF MASONRY AS SHOWN, CONTRACTOR SHALL REPAIR MORTAR WITH GROUT AFTER REMOVAL OF RODS)
 - ㉙ APPROXIMATE LOCATION OF CEILING
 - ㉚ EXISTING ROOF STRUCTURE

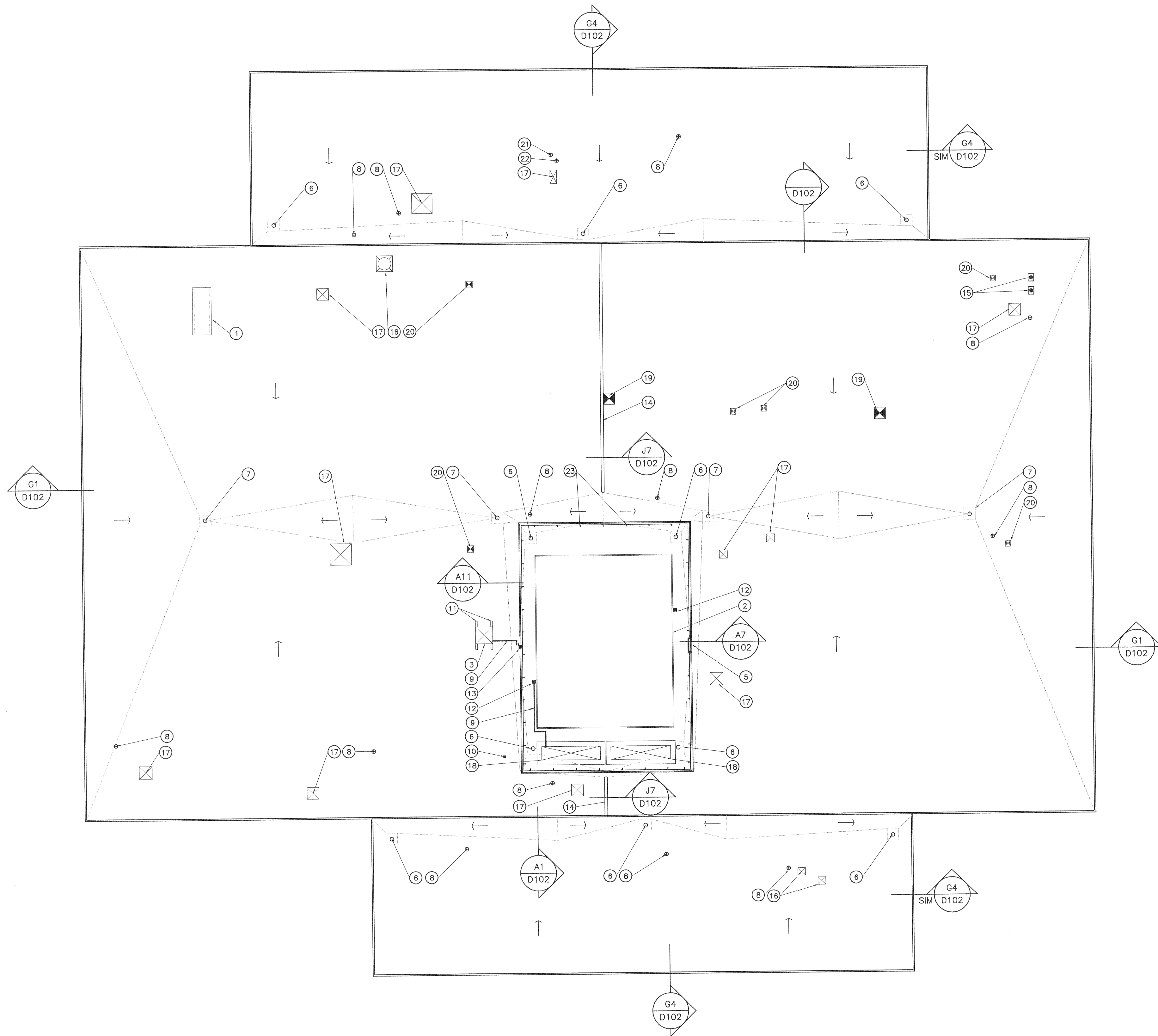
GENERAL NOTES

- 1 REVIEW WITH SOUTHERN UTAH UNIVERSITY FIRE MARSHAL FOR APPROVAL OF ALL PEDESTRIAN SAFETY PLANS PRIOR TO CONSTRUCTION
- 2 SEE SHT. A102 FOR LOCATION OF COVERED WALKS AND LENGTH FROM BUILDING.
- 3 COVERED WALKS TO BE LOCATED AND CONSTRUCTED AS PER IBC SEC. 3306

6/14/2010 12:47 PM Z:\MESA PROJECTS\MESA 2010\010001 SUU TECH BLDG REROOF\DWG\010001 4 D101 DEMO-EXIST ROOF PLAN.DWG
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A1 DEMOLITION ROOF PLAN

3/32"= 1'-0"



KEYNOTES

- 1 ROOF ACCESS HATCH TO REMAIN - MAY REQUIRE RAISING FOR NEW INSULATION THICKNESS
- 2 ROOF MOUNTED MECHANICAL UNIT TO REMAIN
- 3 ROOF MOUNTED AC UNIT TO BE MOVED AND RESET AFTER NEW ROOFING IS IN PLACE
- 4 RESTROOM VENT FAN
- 5 EXISTING ROOF LADDER TO BE REMOVED AND RE-MOUNTED
- 6 EXISTING 2" ROOF DRAIN TO REMAIN - DRAIN TO BE RAISED FOR NEW ROOFING
- 7 EXISTING 3" ROOF DRAIN TO REMAIN - EXTEND INLET AS REQD. FOR NEW ROOFING
- 8 VENT PIPE TO REMAIN
- 9 1/2" ELECTRICAL CONDUIT (SEE ELECTRICAL NOTES AND SPECIFICATIONS)
- 10 4" SQUARE ROOF VENT TO REMAIN
- 11 4"x4"x5' METAL A/C COMPRESSOR ROOF MOUNTS-RESETO NEW CURB
- 12 POWER PITCH POT TO BE REMOVED
- 13 AC LINE SET PITCH POT TO BE REMOVED
- 14 EXPANSION JOINT TO BE REMOVED. SEE DETAIL J7/D102
- 15 POWER RISER W/ WEATHER CAP AND PITCH POT TO BE REMOVED
- 16 EXISTING EXHAUST HOOD TO REMAIN. RAISE AND RESET AS REQUIRED FOR NEW ROOFING
- 17 EXHAUST FAN. RAISE AND RESET FOR NEW ROOFING
- 18 RELIEF AIR VENTS-DISCONNECT & REMOVE FOR REMOVAL OF OLD ROOFING AND SCREEN WALL. RESET AFTER NEW ROOFING AND SCREEN ARE IN PLACE. provide ALL NECESSARY ADJUSTMENTS FOR THE MECHANICAL SYSTEM TO WORK PROPERLY.
- 19 ABANDON ANTENNA MOUNT AND PITCH POT TO BE REMOVED
- 20 ABANDON ROOF ANCHORS AND PITCH POTS TO BE REMOVED
- 21 EXISTING 8" EXHAUST PIPE TO REMAIN
- 22 EXISTING 9" EXHAUST PIPE TO REMAIN
- 23 EXISTING SCREEN WALL TO BE REMOVED FOR INSTALLATION OF NEW ROOF. WALL TO BE MODIFIED FOR NEW LADDER. RE-INSTALL SCREEN AFTER NEW ROOF & FLASHING IS IN PLACE.

GENERAL NOTES

- 1 ALL EXISTING ROOFING MATERIAL TO BE REMOVED TO EXISTING PLYWOOD.

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351 WEST UNIVERSITY BLVD.
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DATE 3/22/2010
PROJECT NO. 010001

SHEET

DEMO-EXIST
ROOF PLAN

SHEET NO.

D101

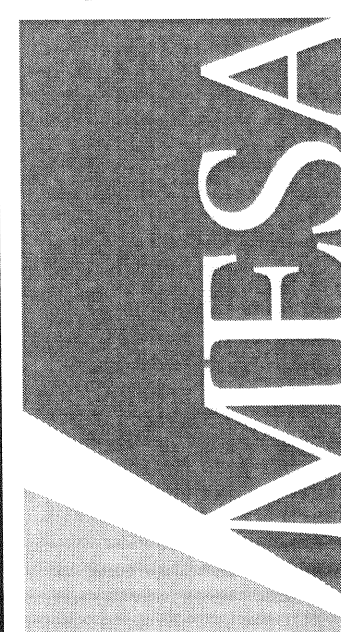
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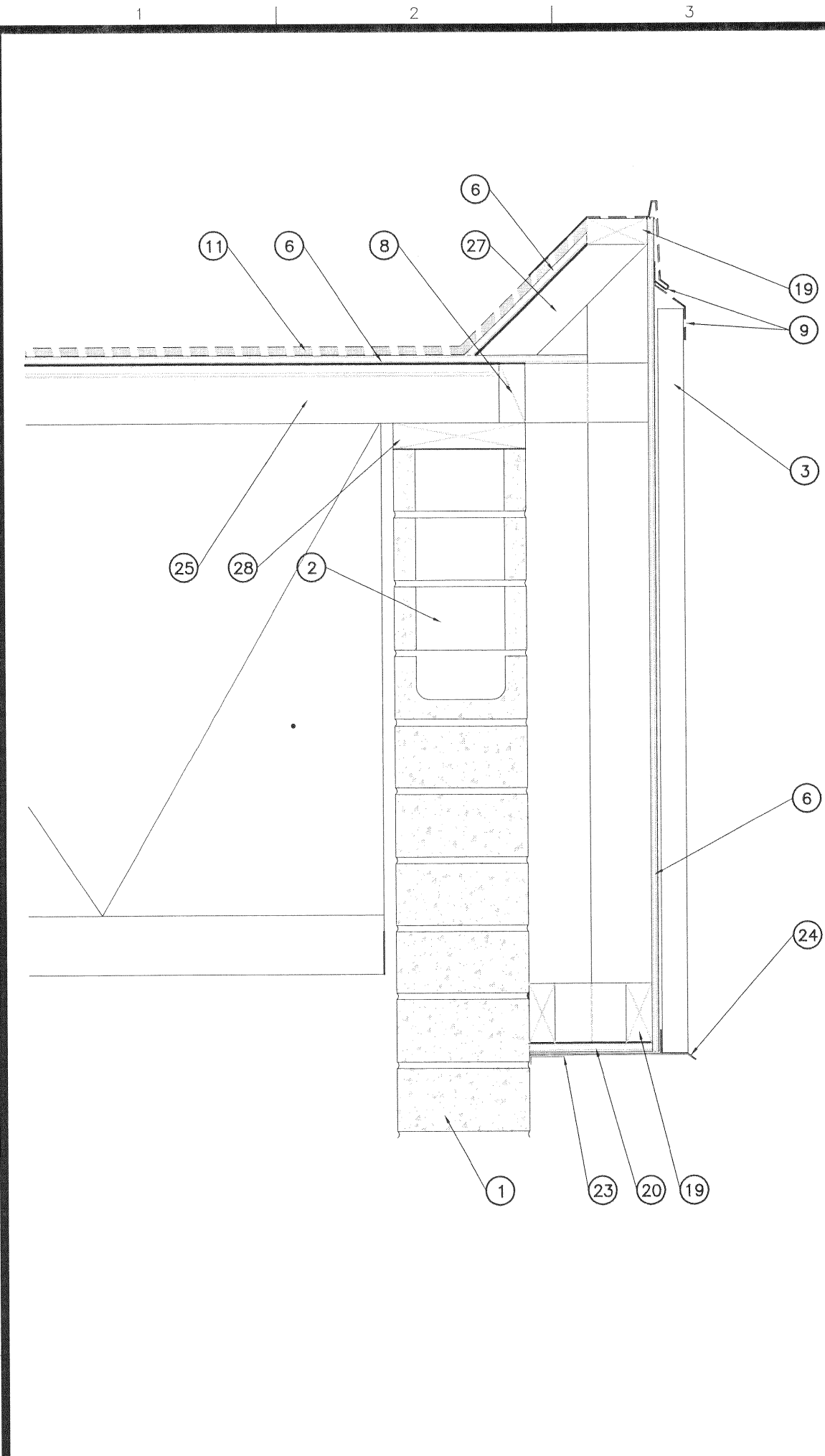
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ST. GEORGE, UT 84770
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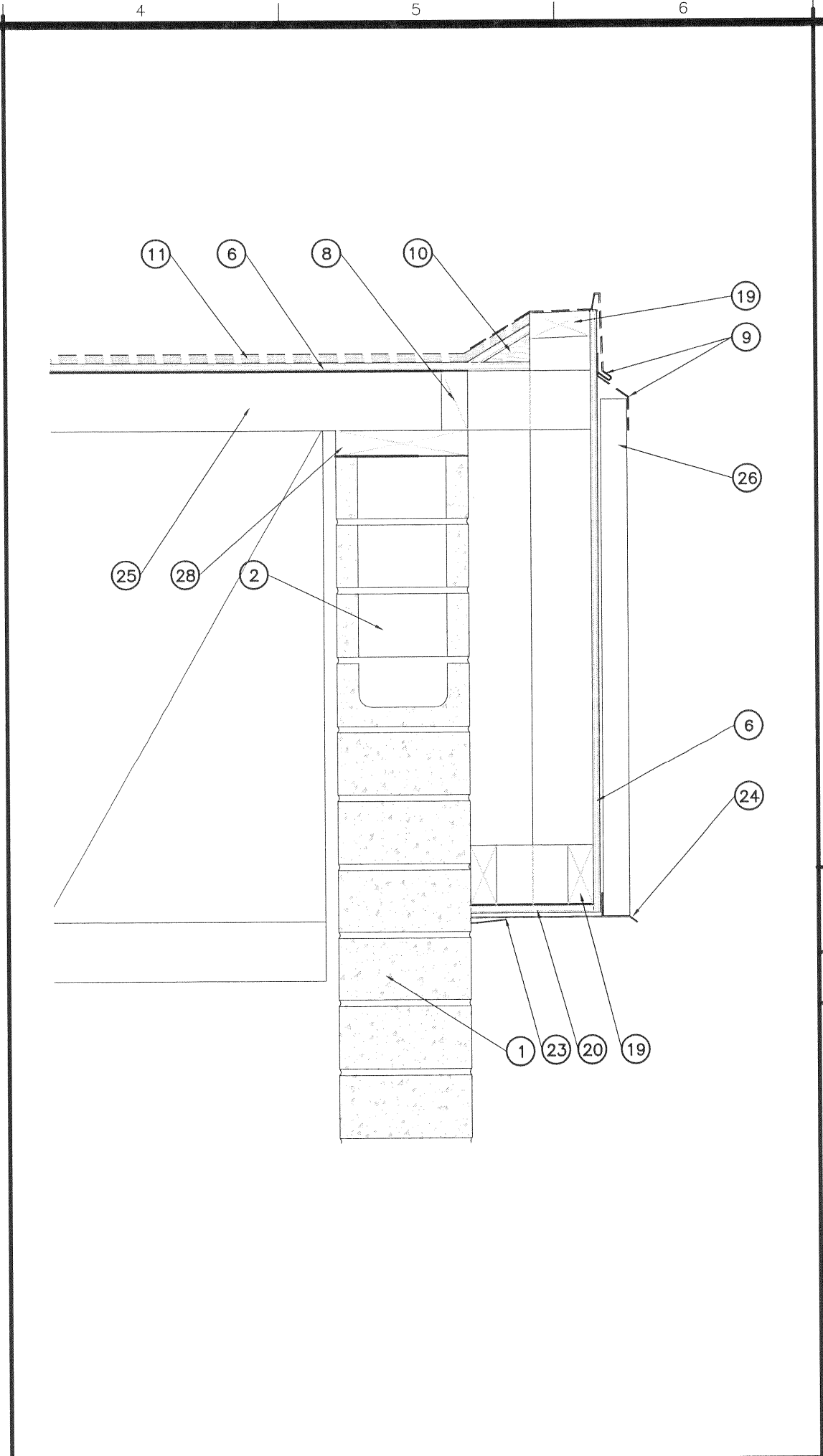


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2: MESA PROJECTS MESA J055 2010/01/0001 SUU TECH BLDG REROOF (JWA) 3-CD SHS (010001) 4 D102 DEMO ROOF DETAIL.DWG



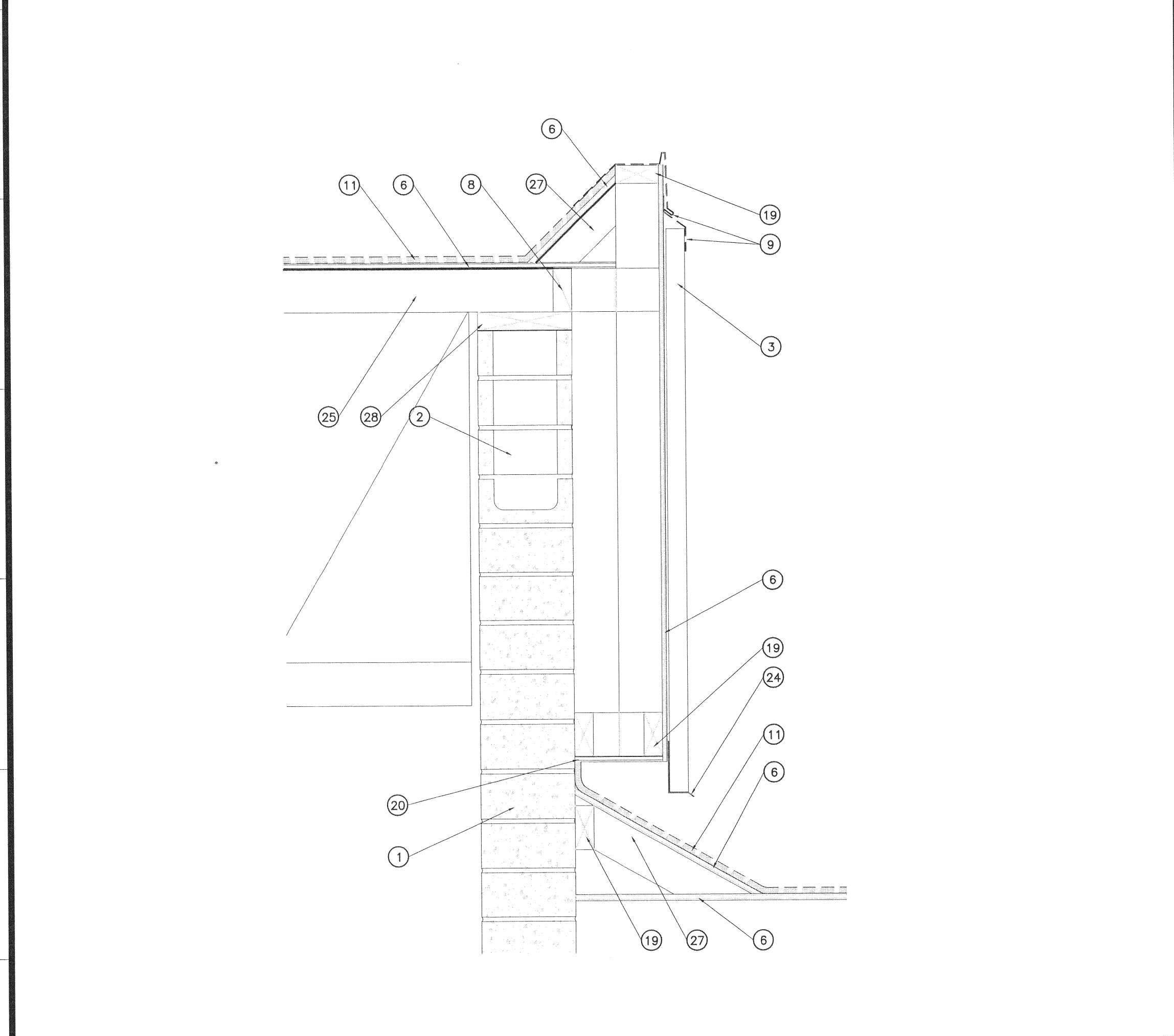
G1 DETAIL

1-1/2"= 1'-0"



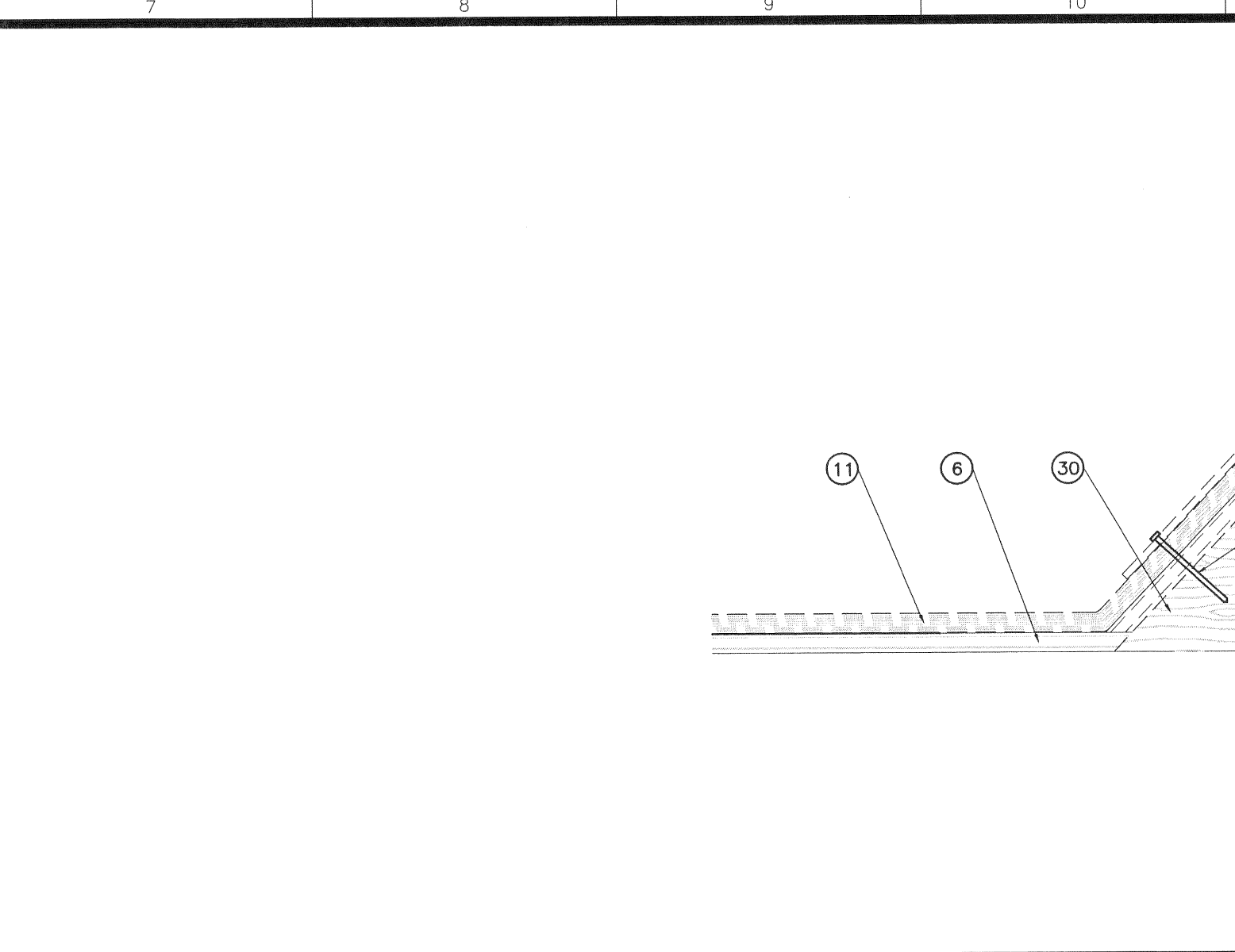
G4 DETAIL

1-1/2"= 1'-0"



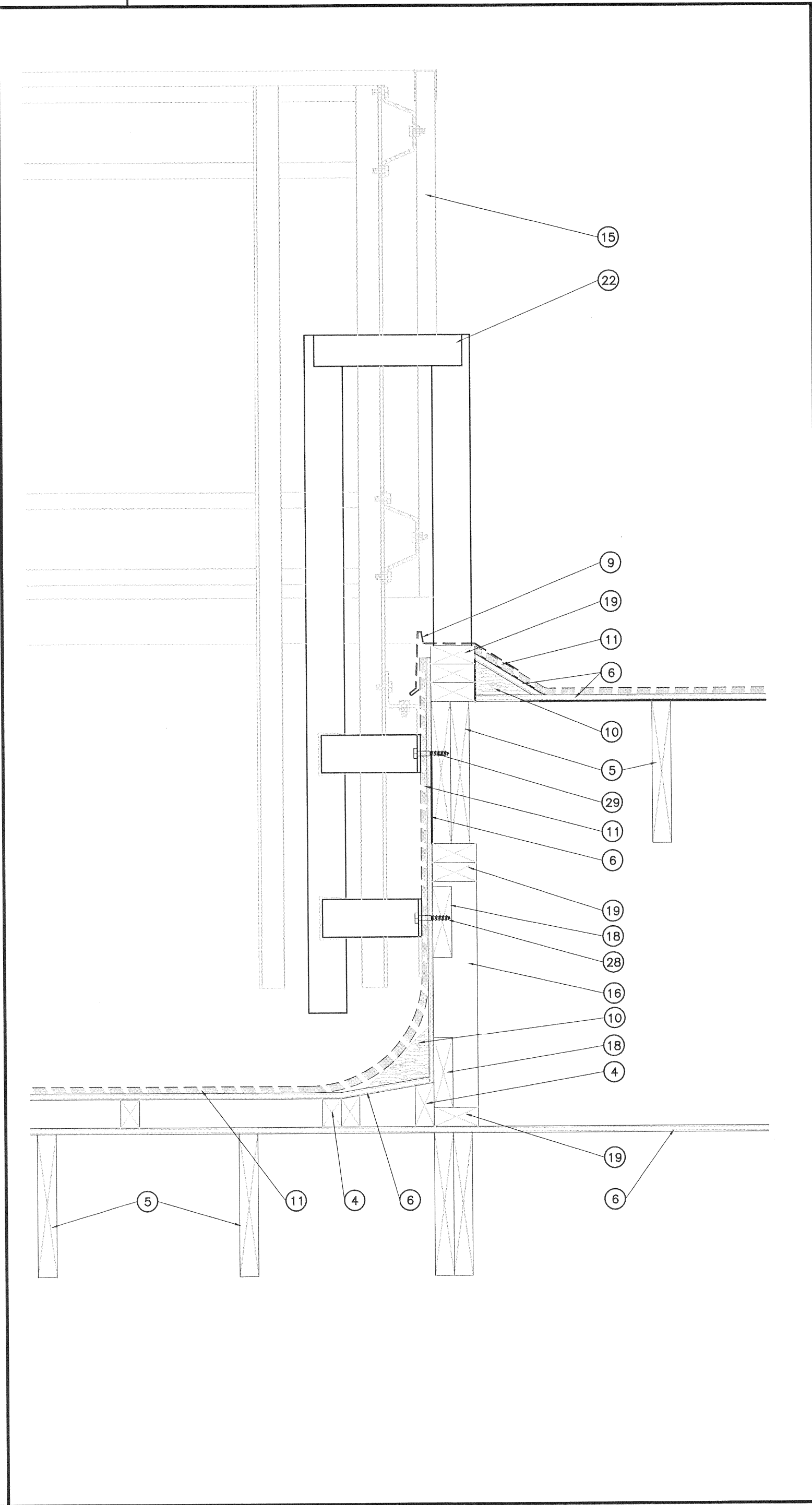
A1 DETAIL

1-1/2"= 1'-0"



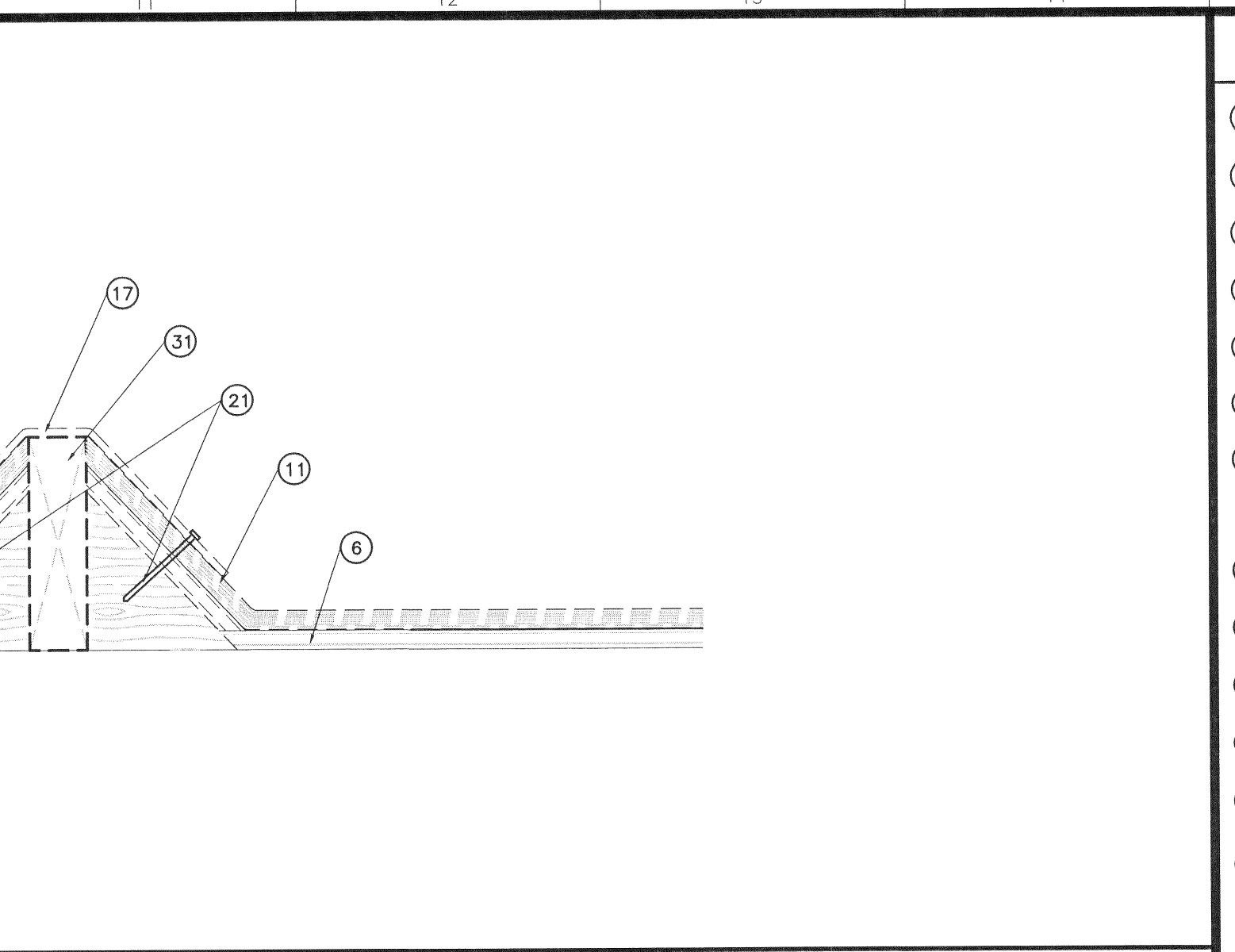
J7 DETAIL

3"= 1'-0"



A7 DETAIL

1-1/2"= 1'-0"



A11 DETAIL

1-1/2"= 1'-0"

KEYNOTES	
1	EXISTING BRICK TO REMAIN
2	BRICK BOND BEAM
3	48" METAL SIDING FASCIA TO REMAIN
4	EXISTING TAPERED 2X WD
5	EXISTING 2X12 JOIST @ 16" OC
6	EXISTING PLYWD SHEATHING TO REMAIN
7	2" STEEL "L" @ 48" OC SCREEN WALL SUPPORT STRUCTURE. REMOVE AND RESET SCREEN WALL AFTER NEW ROOFING & FLASHING ARE IN PLACE
8	2X4 BLOCKING TO REMAIN
9	EXISTING FLASHING TO REMAIN
10	WD CANT STRIP TO REMAIN
11	REMOVE ALL ASPHALT ROOFING TO PLYWD SHEATHING
12	EXISTING METAL SIDING/SCREEN WALL ENCLOSURE
13	STEEL ANGLE (TYPE 1) REMOVE & RESET OVER NEW ROOFING. PROVIDE ROOFING MFR. RECOMMENDED PROTECTION MATERIAL & MOUNTING. REVIEW W/ ARCHITECT PRIOR TO INSTALLATION
14	STEEL ANGLE (TYPE 2) REMOVE & RESET OVER NEW ROOFING. PROVIDE ROOFING MFR. RECOMMENDED PROTECTION MATERIAL & MOUNTING. REVIEW W/ ARCHITECT PRIOR TO INSTALLATION
15	SCREEN/ENCLOSURE BEYOND
16	EXISTING WALL
17	RELIEF JOINT METAL CAP/FLASHING TO BE REMOVED
18	2X6 TO BE REPLACED IF REQUIRED FOR SOLID LADDER ATTACHMENT
19	2X4, CONT. TO REMAIN
20	SOFFIT SHEATHING TO REMAIN
21	REMOVE ALL NAILS ASSOCIATED WITH EXPANSION JOINT
22	WELDED/STEEL LADDER TO BE REMOVED FOR NEW ROOFING. RESET AFTER NEW ROOFING IS IN PLACE. PROVIDE WATER TIGHT SEAL AT NEW FLASHING. MODIFY LADDER AS REQUIRED FOR NEW PARAPET
23	METAL SOFFIT TO REMAIN
24	DRIP FLASHING TO REMAIN
25	32" TJI @32" OC TO REMAIN
26	30" METAL SIDING FASCIA
27	2X4 CRICKET TO REMAIN
28	EXISTING 2X8
29	EXISTING BOLT
30	REMOVE WD. CANT & PLYWD
31	2X8 TO BE REMOVED

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STAMP:
ARCHITECT
LESLIE A. STOKER
113187
6-14-10
LICENSED

33 N. MAIN STREET
ST. GEORGE, UT 84770
PHONE 435-573-4800
FAX 435-573-4801

SOUTHERN UTAH UNIVERSITY
TECH. BUILDING REROOF
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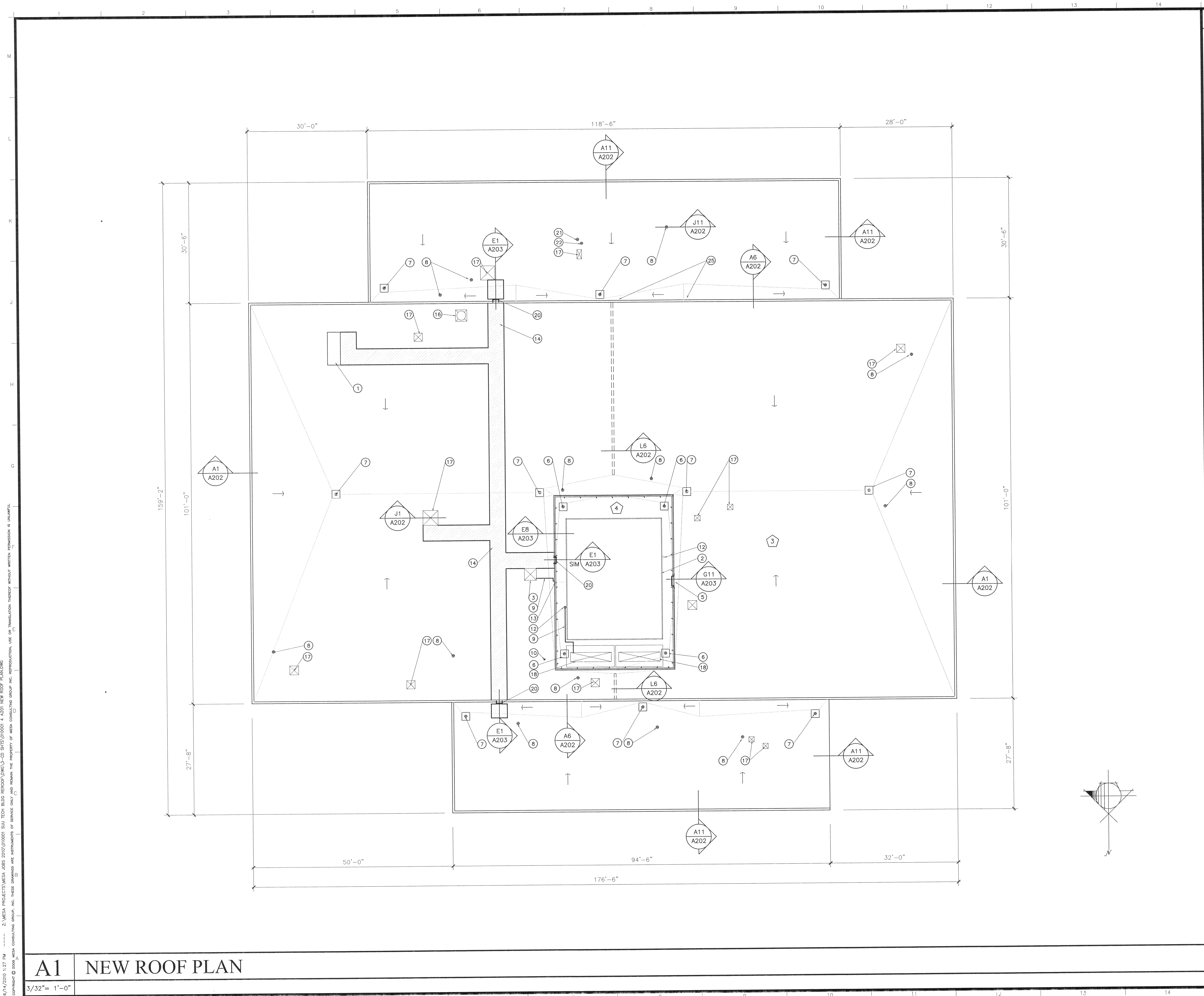
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010001

SHEET
DEMO-EXISTING
ROOF DETAILS

SHEET NO.
D102

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2. MESA PROJECTS MESA JOBS 2010/010001 SUU TECH BLDG REROOF (DWG) 3-CD SHS/010001 4 A201 NEW ROOF PLAN/DWG



KEYNOTES

- EXISTING ROOF ACCESS HATCH RAISE CURB AS REQUIRED FOR NEW ROOFING ASSEMBLY
- ROOF MOUNTED MECHANICAL UNIT TO REMAIN
- EXISTING ROOF MOUNTED AC UNIT PROVIDE NEW CURB MOUNTING
- EXISTING RESTROOM VENT FAN
- EXISTING ROOF LADDER
- 2" ROOF DRAIN TO REMAIN, RAISE & PROVIDE EXTENSION PIPING FOR NEW ROOFING ASSEMBLY
- ROOF DRAIN TO REMAIN, RAISE & PROVIDE EXTENSION PIPING FOR NEW ROOFING ASSEMBLY
- EXISTING VENT PIPE, PROVIDE NEW PIPE BOOT AS MFR REQUIREMENTS
- EXISTING 1/2" ELECTRICAL CONDUIT (SEE ELECTRICAL NOTES & SPECIFICATIONS)
- EXISTING 4" SQUARE ROOF VENT TO REMAIN
- EXISTING 4"x4"x5' METAL A/C COMPRESSOR ROOF MOUNT
- PROVIDE NEW ROOFING BOOT @ CONDUIT ROOF PENETRATION
- PROVIDE NEW ROOFING BOOT AT AC LINE SET ROOF PENETRATION
- PROVIDE NEW FLEXIBLE WALKWAY AS SHOWN
- 3" ELECTRIC RISER W/ WEATHER CAP AND PITCH POT TO BE REMOVED
- EXHAUST HOOD
- EXHAUST FAN, RAISE & RESET IF REQD. FOR NEW ROOFING ASSEMBLY
- RELIEF AIR VENTS/HOOD REMOVED, RESET AFTER NEW ROOFING AND SCREEN WALL ARE IN PLACE. PROVIDE ALL CONNECTION & ADJUSTMENTS NECESSARY FOR A PROPERLY FUNCTIONING MECHANICAL SYSTEM
- FASCIA PANELS REQUIRE REMOVAL AND CUTTING OFF 2" +/- FOR THE NEW ROOFING ASSEMBLY. REPLACE IN EXISTING POSITION
- NEW ROOF LADDER (SEE DETAIL E1 & E5/A203)
- 8" EXHAUSTS PIPE PROVIDE NEW ROOFING PIPE BOOT
- 9" EXHAUST PIPE PROVIDE NEW ROOFING PIPE BOOT

GENERAL NOTES

- PROVIDE SEISMIC RESTRAINTS & HOLD DOWNS FOR ALL ROOF MOUNTED EQUIPMENT & PIPING AS PER SPEC. SEC. 220548
- ALL ROOF TOP MECHANICAL EQUIPMENT TO BE REMOVED. EXISTING MOUNTING CURBS TO BE REMOVED AND REPLACED AS PER DETAILS. WORK TO BE DONE BY LICENSED MECHANICAL CONTRACTOR. EXTEND DUCTS, CONNECTION LINES AND ELECTRICAL AS REQUIRED. REVIEW WITH OWNER PREFERRED RUBBER ISOLATION PADS UNDER UNITS.
- NEW ROOF SYSTEM =
2 LAYERS OF 2" RIGID INSULATION BD.
1 1/4" LAYER OF COVER BD.
SINGLE PLY ROOFING
- NEW ROOF SYSTEM IN MECHANICAL WELL =
1 1/4" LAYER OF COVER BD.
SINGLE PLY ROOFING

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ARCHITECT
LESLIE ARTHUR STOKER
13187
6-14-10
LICENSED

ST GEORGE UT 84770
351 MAIN STREET
PHONE 435-673-4600
FAX 435-673-4601

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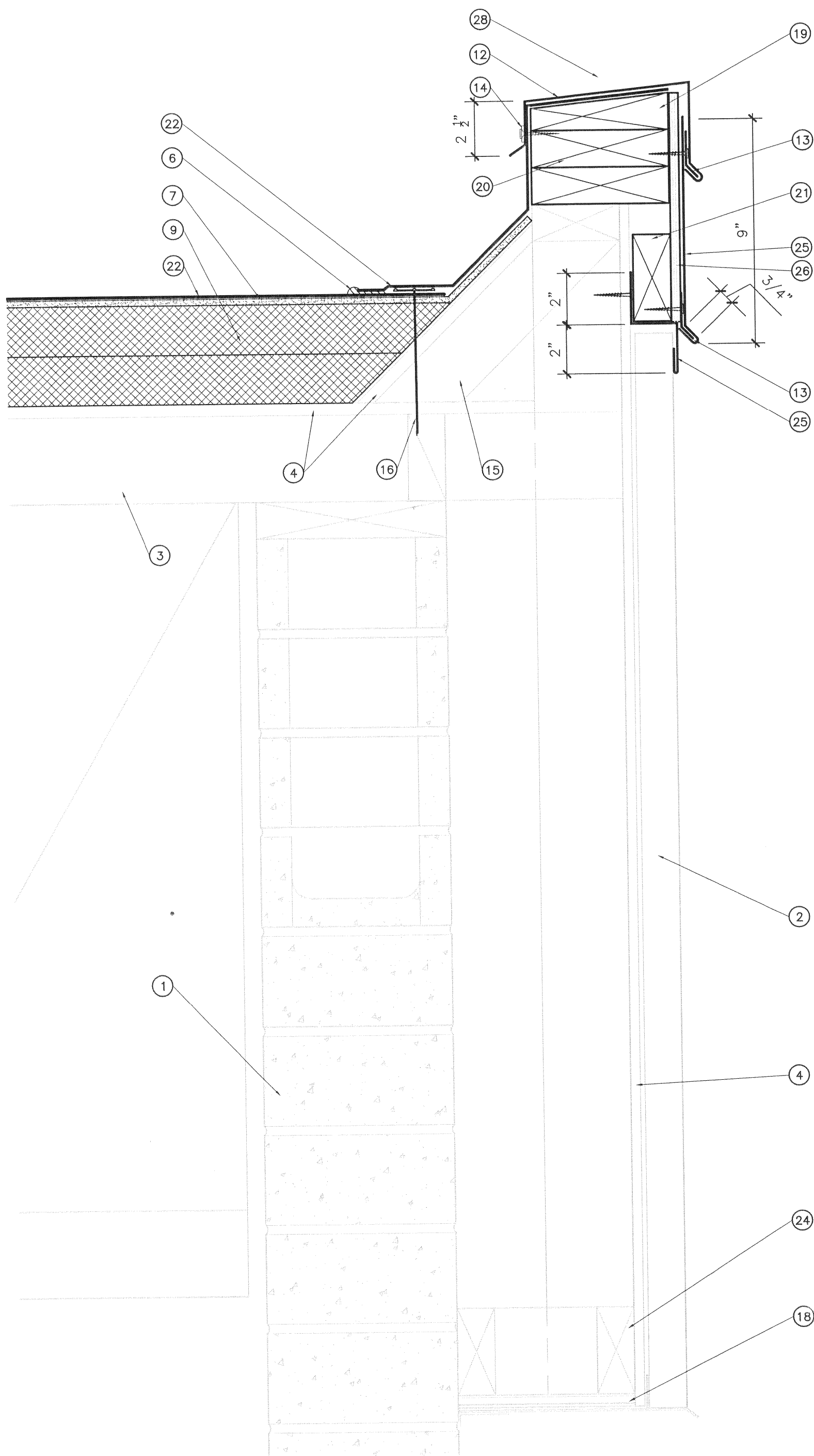
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J1 TYPICAL CURB DETAIL

3"= 1'-0"

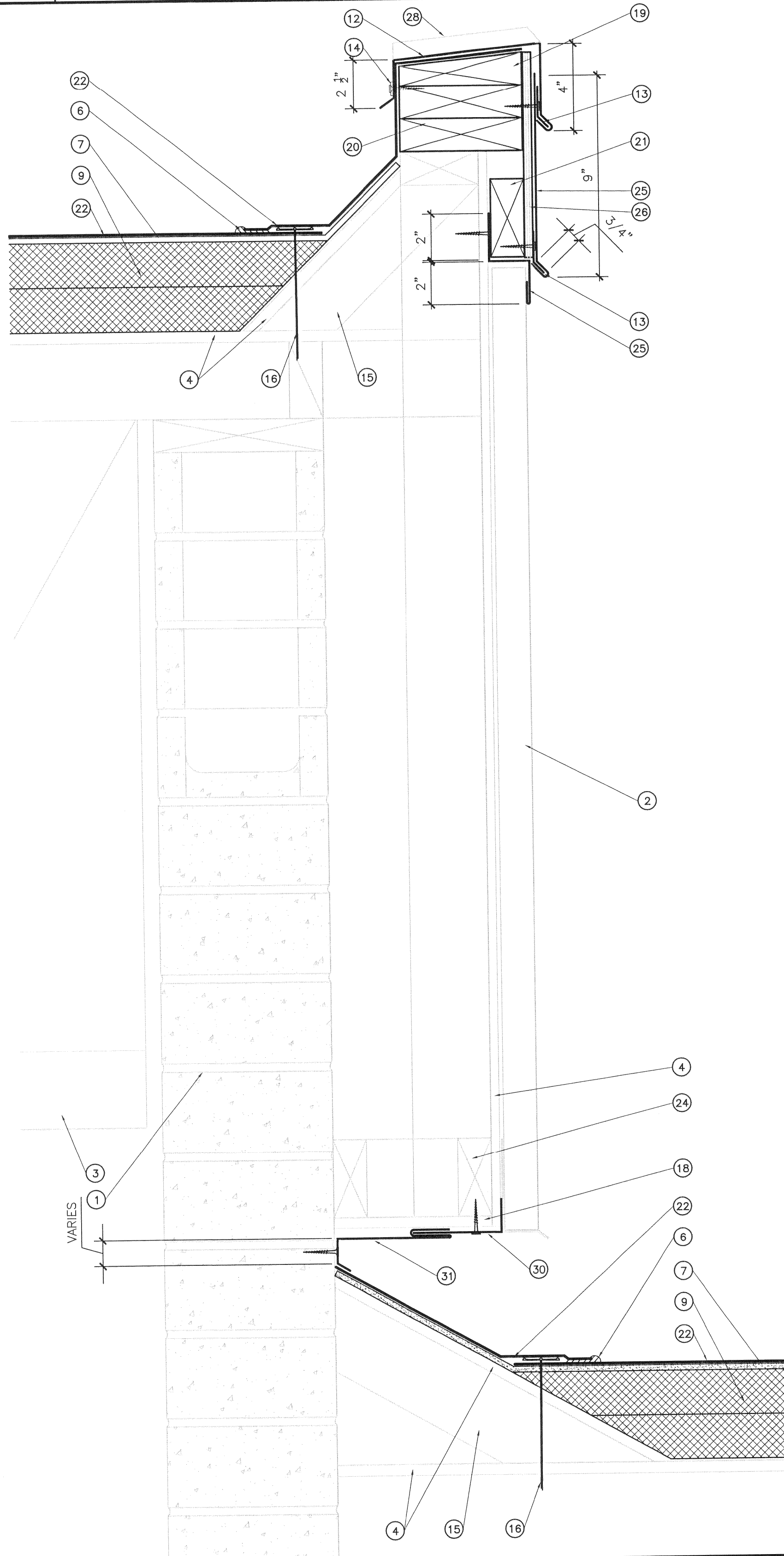


A1 ROOFING DETAIL

3"= 1'-0"

L6 ROOFING DETAIL

3"= 1'-0"

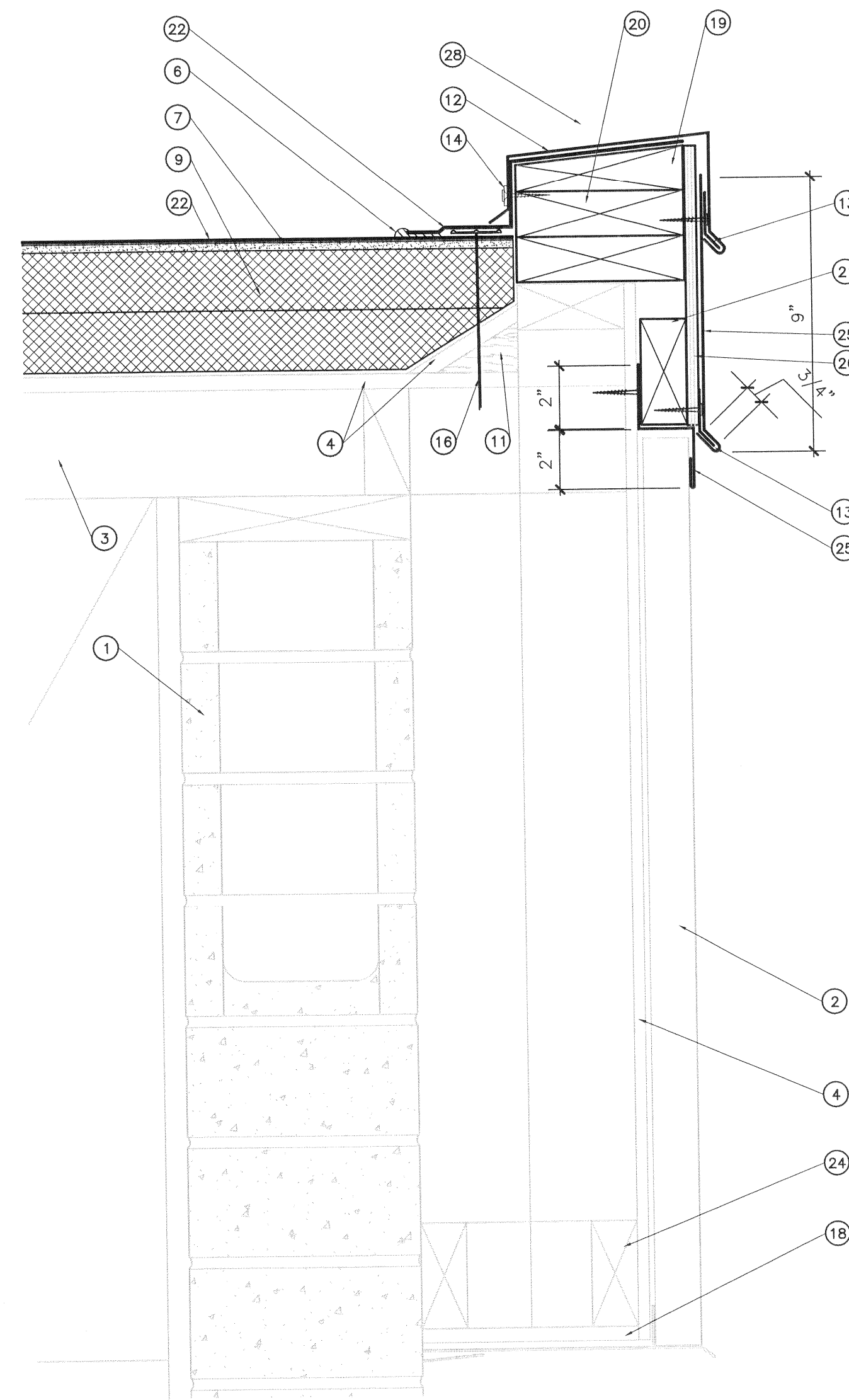


A6 ROOFING DETAIL

3"= 1'-0"

J11 TYP. PIPE PENETRATION DTL

3"= 1'-0"



A11 ROOFING DETAIL

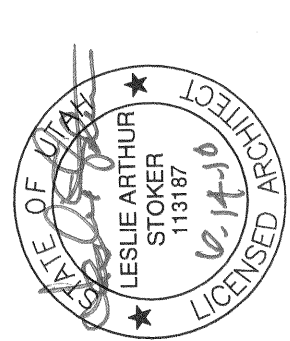
3"= 1'-0"

KEYNOTES

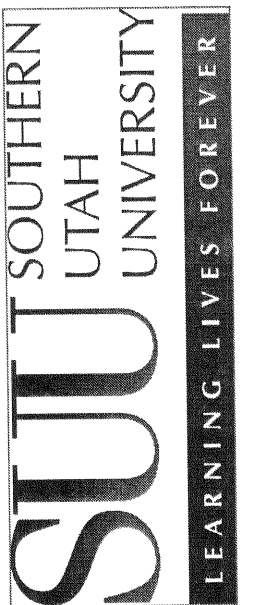
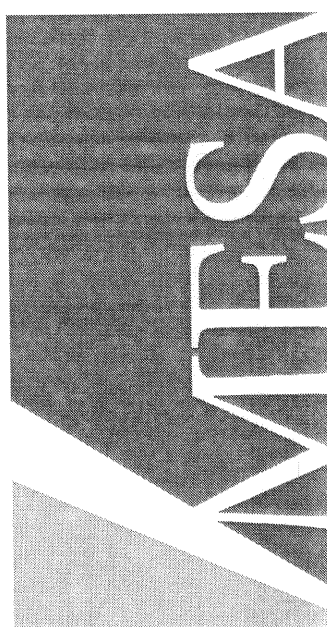
- EXISTING BRICK WALL
- EXISTING METAL SIDING FASCIA
- EXISTING WD. & STEEL TRUSS
- EXISTING PLYWD SHEATHING, NOTIFY ARCHITECT OF ANY LOOSE PANELS AND SECURE W/ NEW FASTENERS
- MECHANICAL UNIT W/ INTEGRATED FLASHING
- ROOFING SEAM WELD AND SEAM CAULK
- 1/2" COVER BOARD
- PREFORMED PIPE BOOT
- 2 LAYERS OF 2" RIGID INSULATION. STAGGER JOINTS
- EXISTING PIPE, DIAMETER VARIES
- EXISTING WOOD CANT
- 24 GAGE PRE FINISHED STEEL FLASHING CAP
- 24 GAGE CONT. CLEAT FASTEN WITH 1 1/2" SCREW THROUGH SLOTTED HOLES @ 24" O.C.
- 1 1/2" SCREW FASTENER W/ NEOPRENE WASHER @ 24" O.C. - COLOR TO MATCH FLASHING
- CRICKET TO REMAIN
- ROOFING FASTENER AS REQUIRED BY ROOFING MFR. LENGTH TO PENETRATE EXISTING PLYWD. SHEATHING
- FILL VOID W/ PLYWOOD SHEATHING STRIP
- EXISTING SOFFIT BD.
- NEW TAPERED 2X6 TOP PLATE
- 3 NEW 2X6 PARAPET PLATES FASTENED TOGETHER W/ 2-16D NAILS @ 24" OC - EACH PLATE, LOCATE ON ROOF AND WALL BELOW AS SHOWN
- NEW WD 2X RIPPED TO FIT SPACE FOR SOLID BASE FOR NEW 2X6 PARAPET
- NEW SINGLE PLY ROOF MEMBRANE
- STAINLESS STEEL HOSE CLAMP
- EXISTING WOOD FRAMING
- 24 GAGE PRE-FINISHED STEEL FLASHING/FASCIA - SIZE AND SHAPE AS SHOWN
- NEW 3/8" CONT. PLYWOOD
- 24 GAGE G.I. FLASHING SIZE & SHAPE AS SHOWN
- STANDING SEAM BEYOND
- REMOVE EXISTING FASCIA PANEL TO CUT BOTTOM UP 2" +/- FOR NEW ROOFING & PROTECTION BD. REPLACE FASCIA PANELS AFTER ROOFING IS IN PLACE
- PROVIDE NEW 24 GAGE G.I. FLASHING CLEAT SHAPE AS SHOWN
- PROVIDE NEW 24 GAGE G.I. FLASHING SHAPE AS SHOWN

GENERAL NOTES

- ALL ROOF TOP MECHANICAL EQUIPMENT TO BE REMOVED. EXISTING MOUNTING CURBS TO BE REMOVED AND REPLACED AS PER DETAILS. WORK TO BE DONE BY LICENSED MECHANICAL CONTRACTOR. EXTEND DUCTS, CONNECTION LINES AND ELECTRICAL AS REQUIRED. REVIEW WITH OWNER PREFERRED RUBBER ISOLATION PADS UNDER UNITS.



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TECH. BUILDING REROOF
351 WEST UNIVERSITY BLVD.
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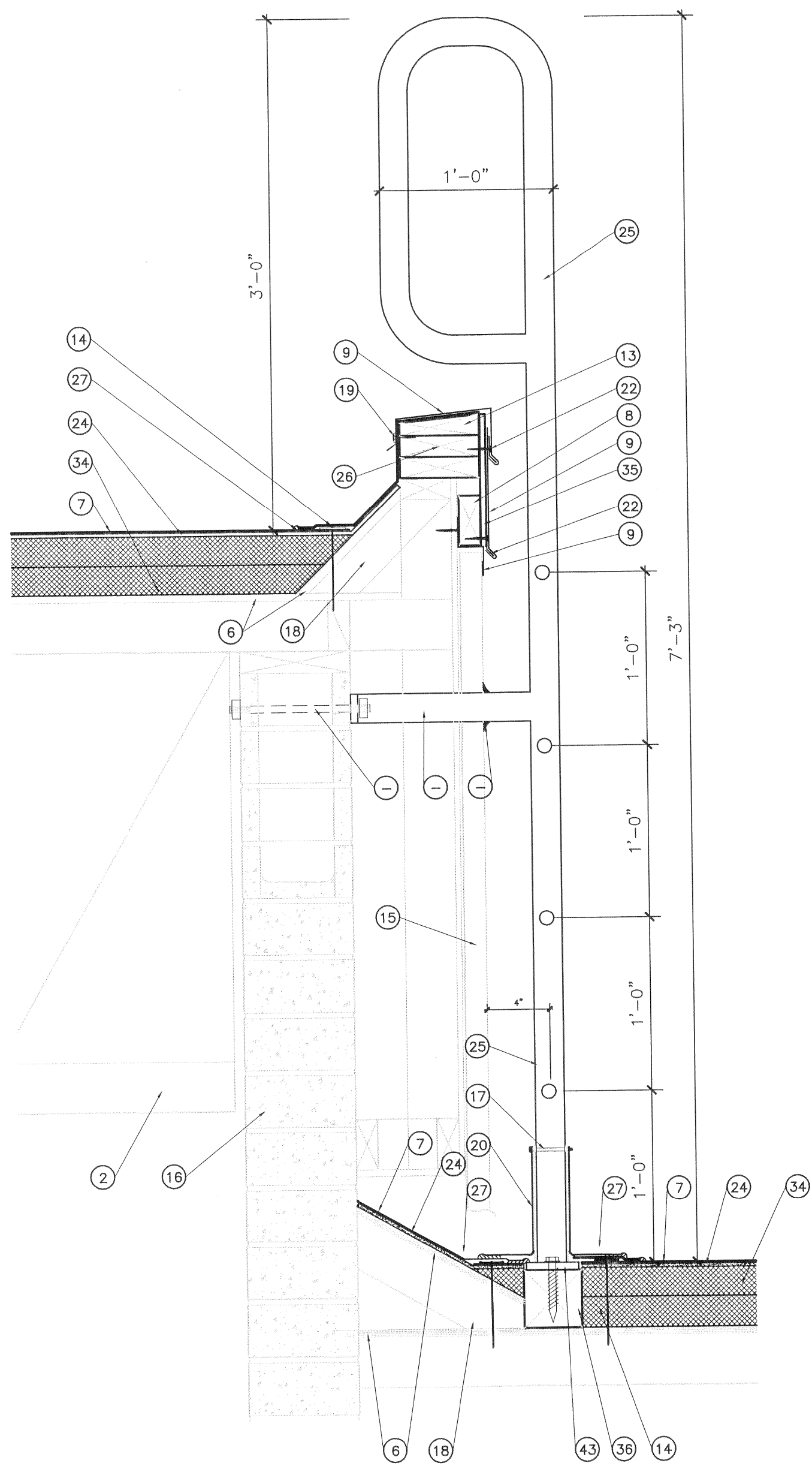
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ROOF DETAILS

SHEET NO.

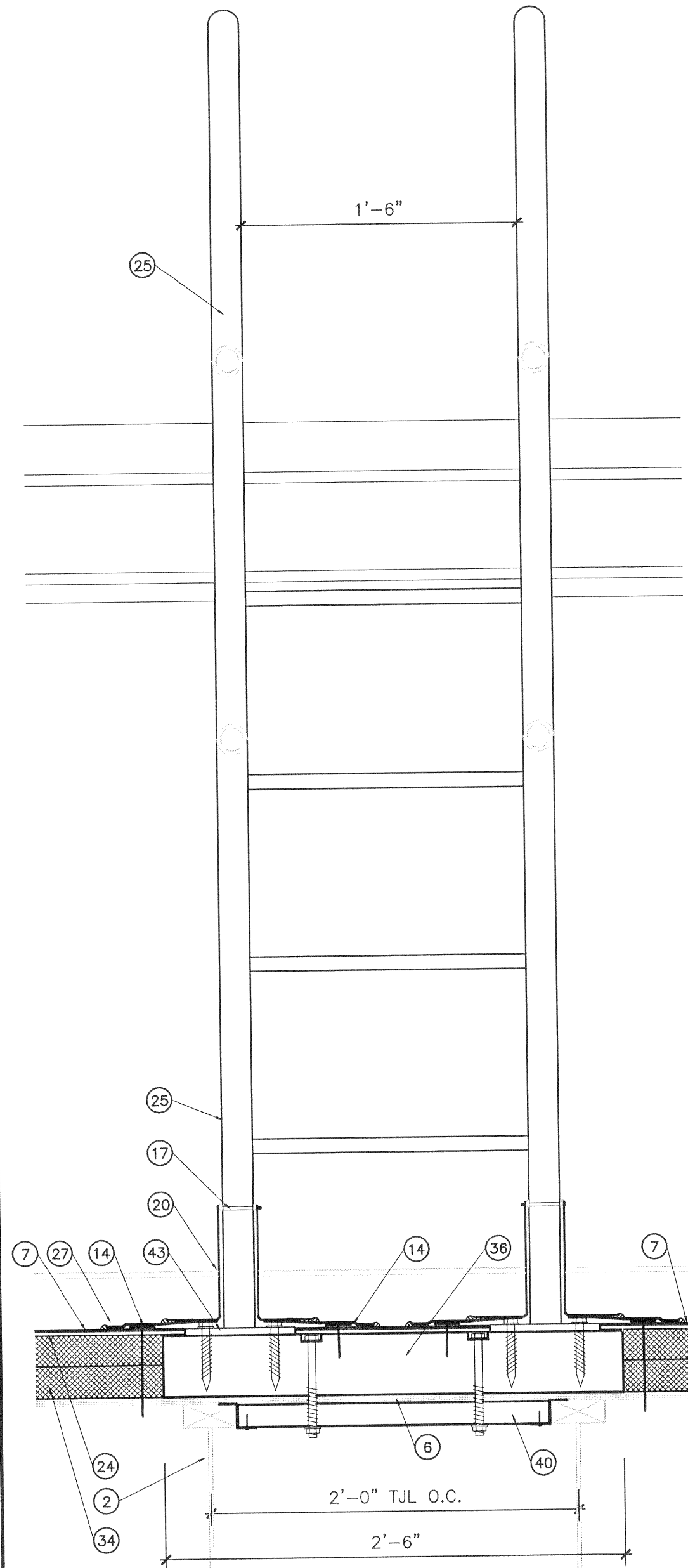
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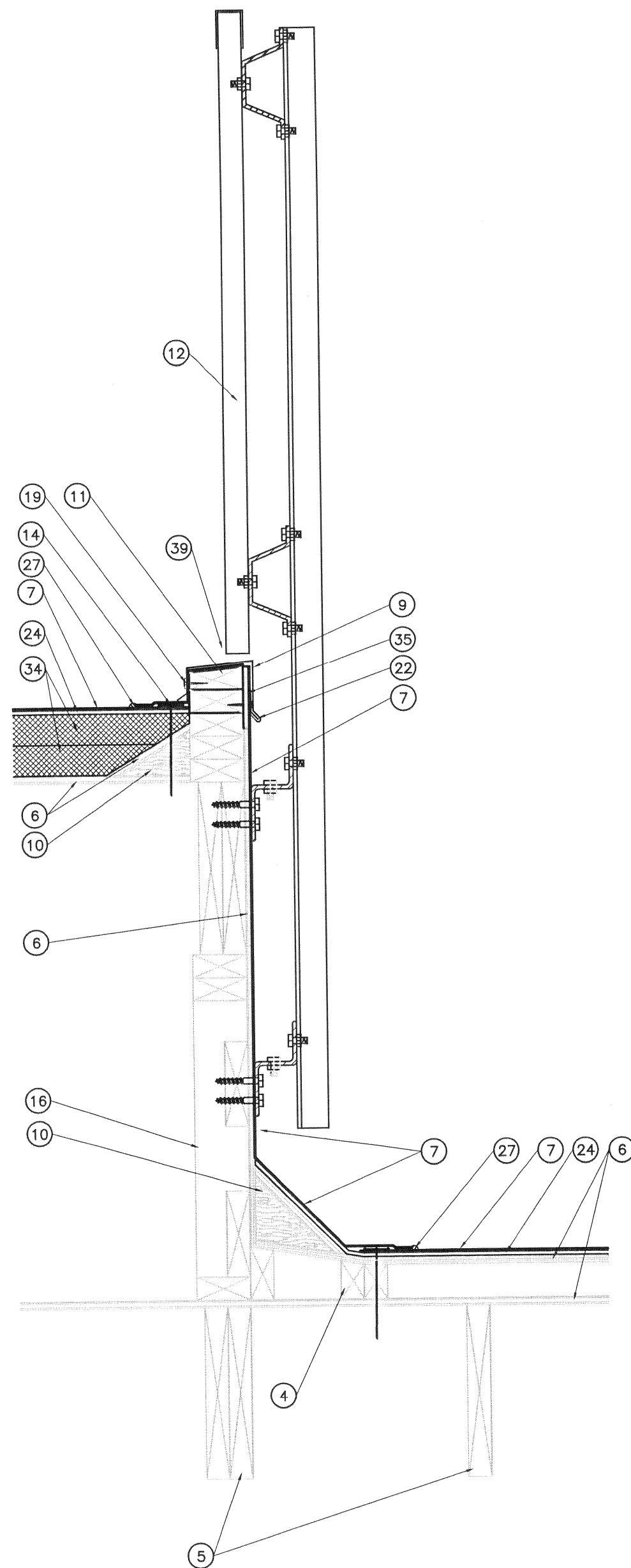
E1 NEW LADDER DETAIL

1-1/2"= 1'-0"



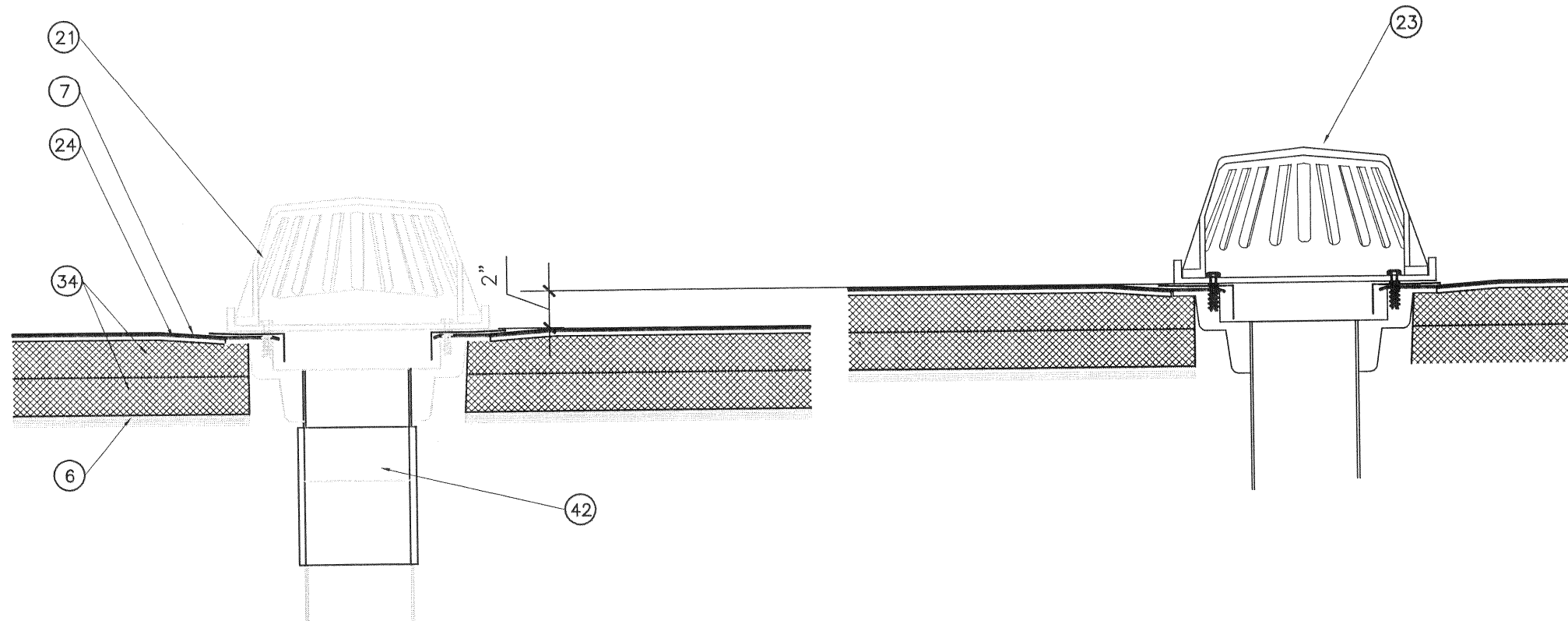
E5 NEW LADDER DTL

1-1/2"= 1'-0"



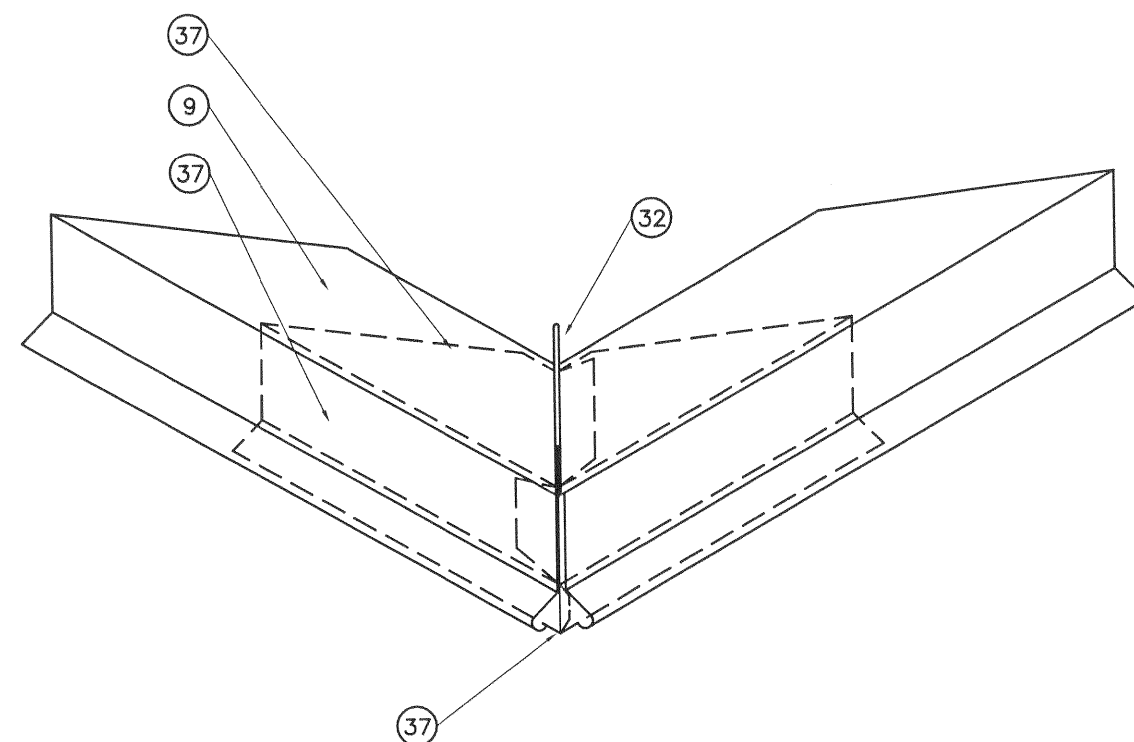
E8 DETAIL

1-1/2"= 1'-0"



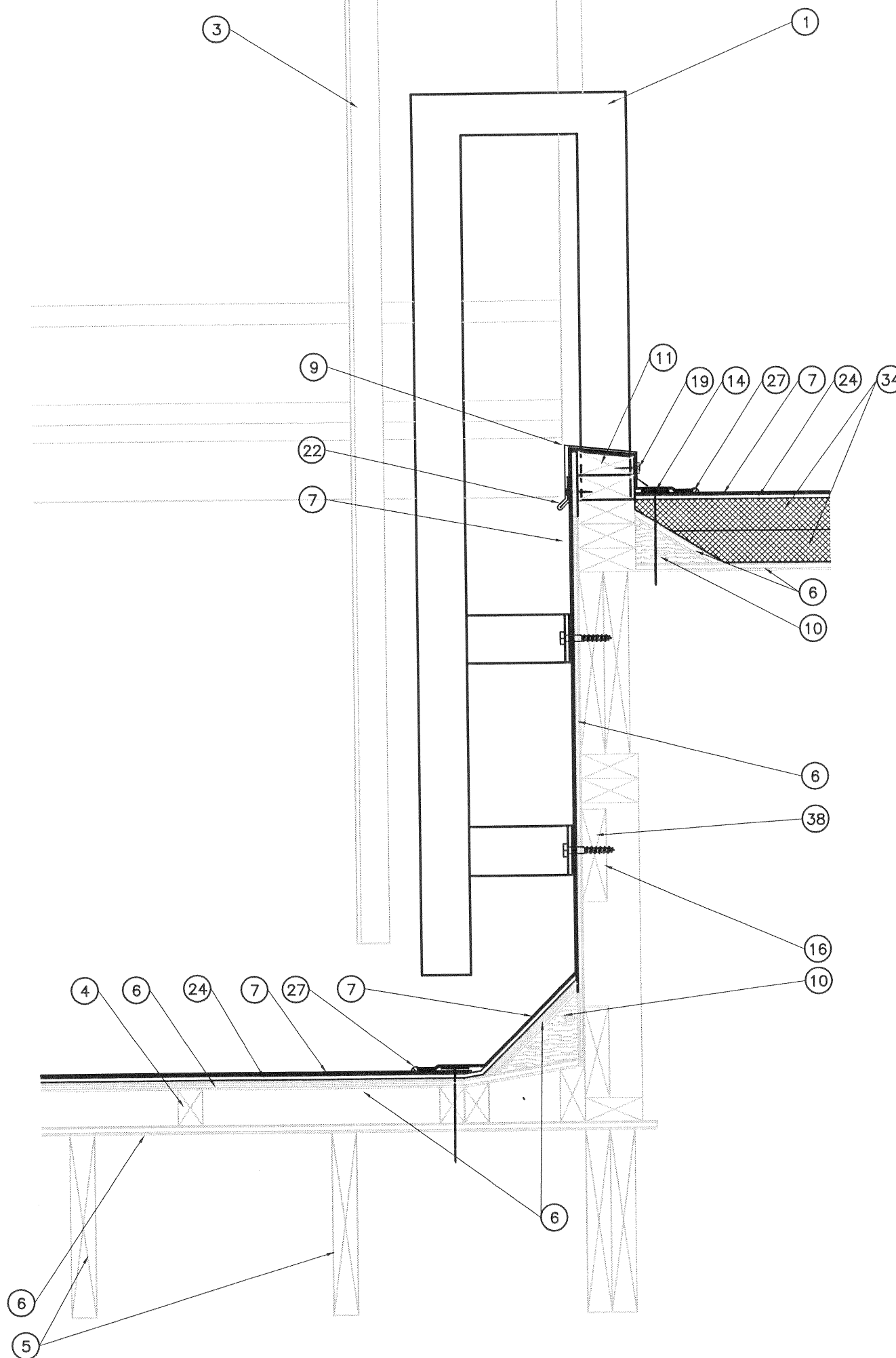
A1 ROOF DRAIN / OVERFLOW

1-1/2"= 1'-0"



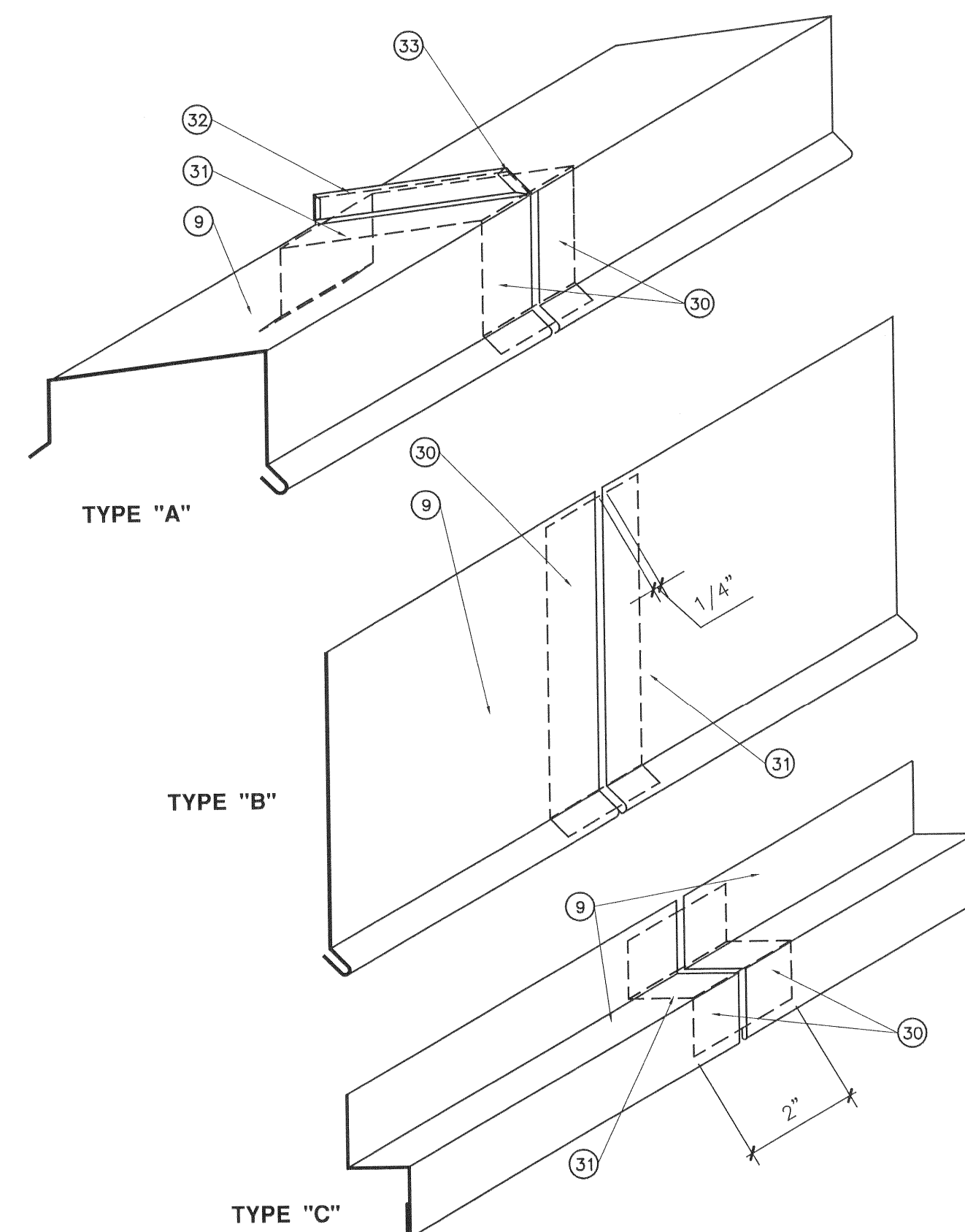
A7 TYP. FLASHING CORNER

1-1/2"= 1'-0"



G11 DETAIL

1-1/2"= 1'-0"



A11 TYP. FLASHING ASSEMBLY

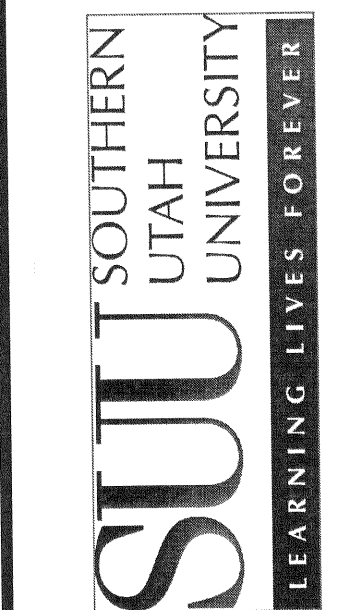
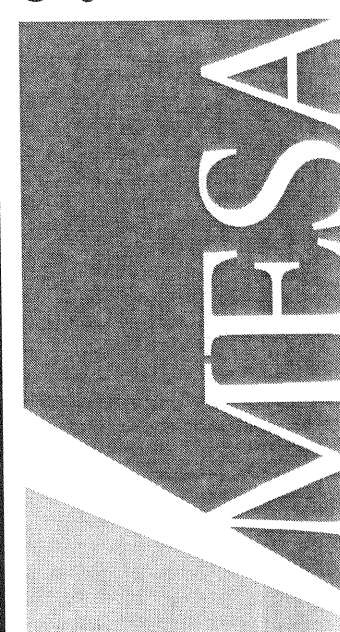
3"= 1'-0"

KEYNOTES

- EXISTING LADDER TO BE REMOVED AND RE-MOUNTED WHEN NEW ROOFING IS IN PLACE
- EXISTING WD & STEEL TRUSS
- EXISTING EXISTING SCREEN BEYOND
- EXISTING TAPERED 2X WD
- EXISTING WD. JOIST @ 16" OC
- EXISTING PLYWD SHEATHING, NOTIFY ARCHITECT OF ANY LOOSE PANELS
- NEW SINGLE PLY ROOF MEMBRANE
- NEW WD 2X RIPPED TO FIT SPACE FOR SOLID BASE FOR NEW 2X6 PARAPET
- 24 GAGE PRE-FINISHED STEEL FLASHING/FASCIA - SIZE AND SHAPE AS SHOWN
- WD CANT STRIP
- 2 NEW 2X4 PARAPET PLATES FASTENED TOGETHER, LOCATE ON ROOF AND WALL BELOW AS SHOWN
- EXISTING METAL SIDING/SCREEN ENCLOSURE
- NEW TAPERED 2X6 TOP PLATE
- ROOFING FASTENER AS REQUIRED BY ROOFING MFR. LENGTH TO PENETRATE EXISTING PLYWD. SHEATHING
- EXISTING METAL SIDING FASCIA
- EXISTING WALL
- STAINLESS STEEL HOSE CLAMP
- CRICKET
- 1 1/2" SCREW FASTENER W/ NEOPRENE WASHER @ 24" O.C. - COLOR TO MATCH FLASHING
- PREFORMED PIPE BOOT
- EXISTING ROOF DRAIN
- 24 GAGE CONT. CLEAT FASTEN WITH 1 1/2" SCREW THROUGH SLOTTED HOLES @ 24" O.C.
- NEW SECONDARY DRAIN LOCATE WHERE THE INLET IS A MAX OF 2" ABOVE THE PRIMARY DRAIN INLET
- 1/4" COVER BOARD TYP. ALL AREAS
- NEW LADDER W/ 2" DIA. STEEL PIPE RUNNERS AND SOLID 1" DIA. STEEL RUNGS
- 3 NEW 2X6 PARAPET PLATES FASTENED TOGETHER, LOCATE ON ROOF AND WALL BELOW AS SHOWN
- ROOFING SEAM WELD AND SEAM CAULK
- NEW TAPERED 2X4 TOP PLATE
- PROVIDE CONT. CUT DOWN 2X4 AS NEEDED FOR REQUIRED HT. ABOVE INSULATION
- PROVIDE JOINT SEALER AT ALL LAPS
- 24 GAGE BACK UP CONNECTION PLATE AT ALL JOINTS, COLOR AND FINISH TO MATCH EXPOSED FLASHING
- PROVIDE 3/4" HIGH STANDING SEAM JOINT ON TO OF ALL CAPS AT ALL JOINTS, TYP.
- TAPER SEAM BACK AT FRONT EDGE, PROVIDE TAB AT EACH END OF SEAM, TYP.
- 2 LAYERS OF 2" RIGID INSULATION. STAGGER ALL JOINTS
- ADD 3/8" PLYWOOD STRIP TO PROVIDE A FLUSH WALL
- 4X4 WD SUPPORT, POSITION OVER AT LEAST 2- TRUSSES, FASTEN TO NEW 2X4 BLOCK BELOW PLYWD W/ 4 INSET 1/2" THRU BOLTS
- 24 GAGE GI CORNER, SOLDERED ALL TAB JOINTS, LOCATE AND SHAPE AS SHOWN, LOCATE UNDER FINISH COLORED FLASHING. PROVIDE CONT. SEALANT AT ALL LAPS
- EXISTING WD BLOCKING LADDER SUPPORT, REPLACE BLOCKING IF REQUIRED FOR SOLID LADDER INSTALLATION
- TRIM EXISTING METAL SCREEN AS REQD FOR NEW WALL CAP HT.
- PROVIDE NEW 2X6 BLOCK UNDER PLYWD ROOF SHEATHING. SET BETWEEN 2 TOP TRUSS CORDS AND SECURE IN PLACE WITH SIMPSON Z4 CLIPS AT EACH END. SLIP CLIP UNDER BETWEEN PLYWD & TRUSS AND NAIL TO TRUSS
-
- PROVIDE DRAIN EXTENSION TO RAISE DRAIN TO NEW HT W/ NEW INSULATION
- WELD 2" LADDER PIPE TO A 3" X 7" X 3/8" BASE PLATE W/ 2 HOLES FOR 1/2" X 4" LAG



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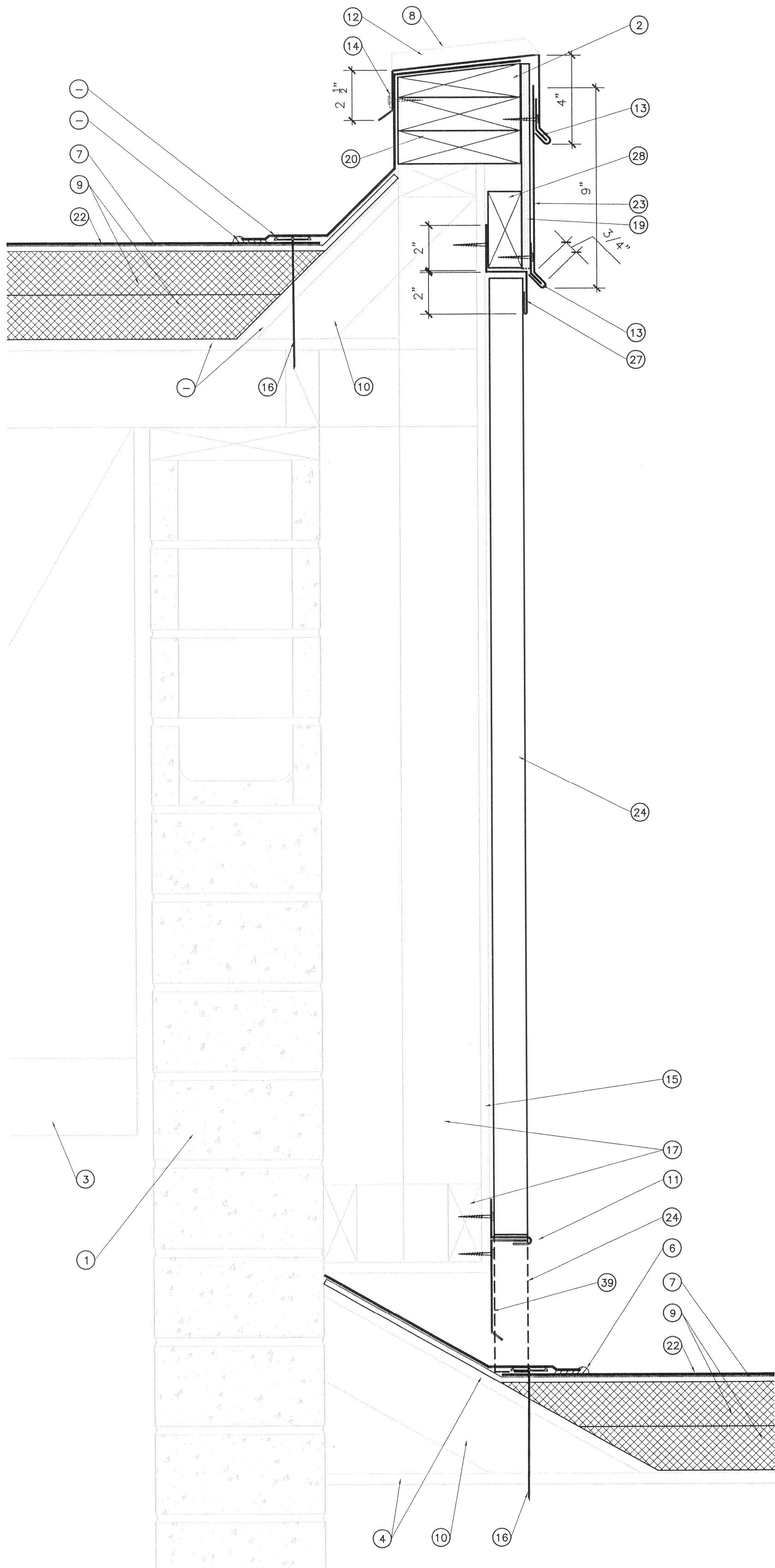
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ROOF DETAILS

SHEET NO.

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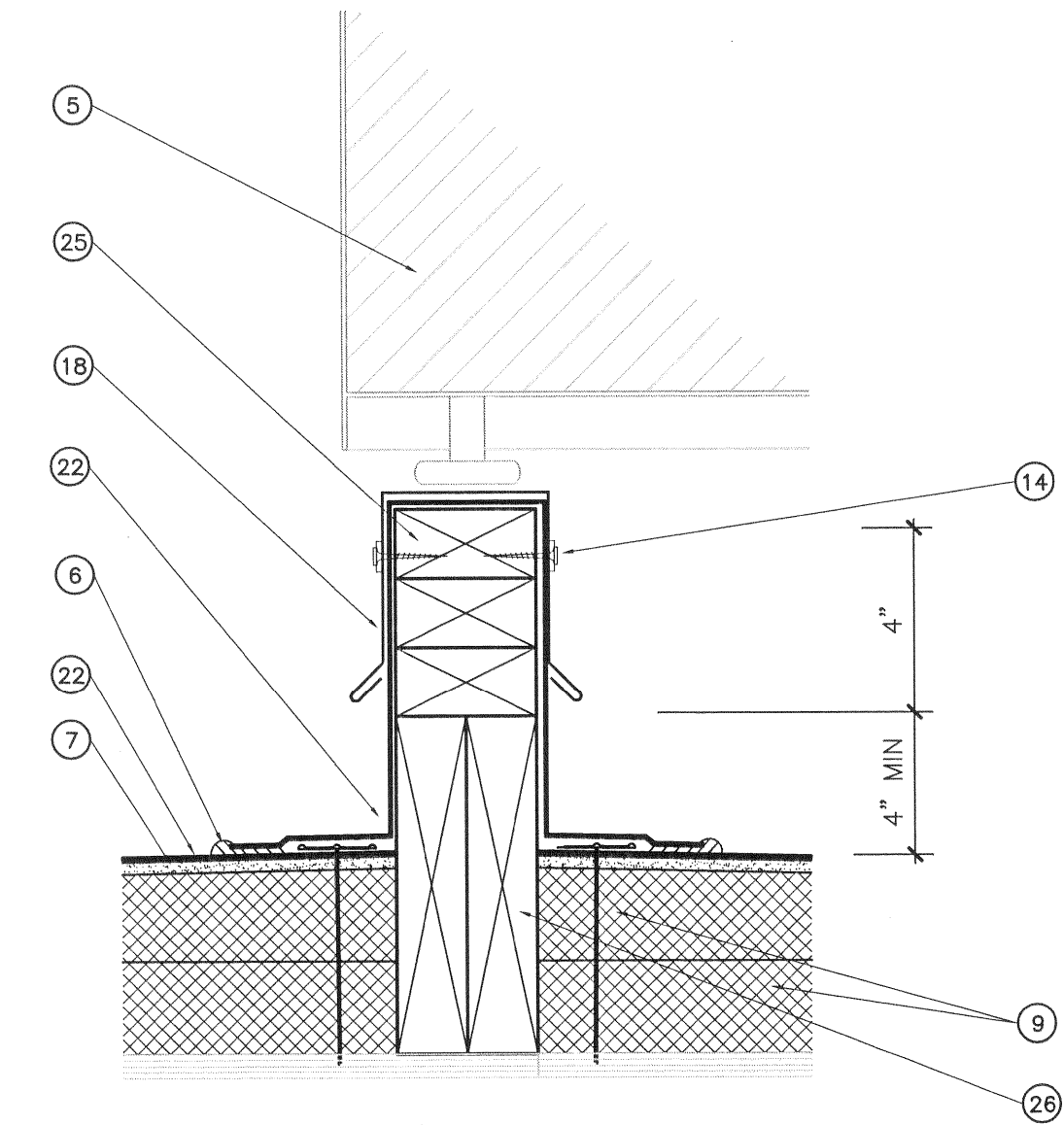
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2:\MESA PROJECTS\MESA A020 2010\010001 SUU TECH BLDG REROOF\DWG\3-CD SHRS\010001 4 A204 ROOF DETAILS.DWG
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A1

ROOFING DETAIL

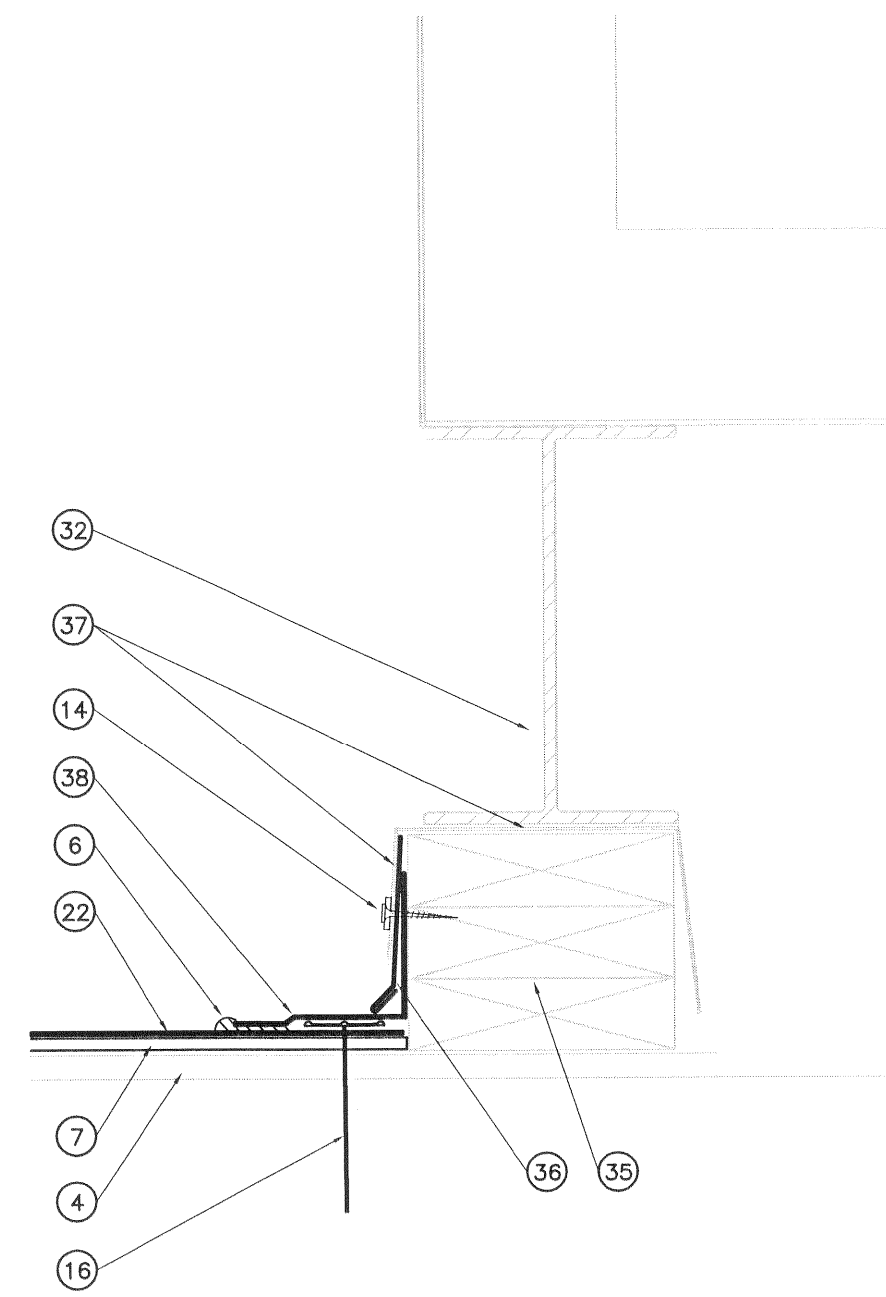
3"= 1'-0"



A6

FLASHING @ MEC. ROOM

3"= 1'-0"



A11

FLASHING @ MEC. ROOM

3"= 1'-0"

KEYNOTES

- EXISTING BRICK WALL
- NEW TAPERED 2X6 TOP PLATE
- EXISTING WD. & STEEL TRUSS
- EXISTING PLYWD SHEATHING, NOTIFY ARCHITECT OF ANY LOOSE PANELS AND SECURE W/ NEW FASTENERS
- EXISTING MECHANICAL UNIT
- ROOFING SEAM WELD AND SEAM CAULK
- 1/2" COVER BOARD
- STANDING SEAM BEYOND AT TOP OF FLASHING CAP AT ALL JOINTS
- 2 LAYERS OF 2" RIGID INSULATION. STAGGER JOINTS
- CRICKET TO REMAIN
- PROVIDE NEW BOTTOM CLOSURE FLASHING, COLOR TO MATCH EXISTING FASCIA, SHAPE AS SHOWN
- 24 GAGE PRE FINISHED STEEL FLASHING CAP
- 24 GAGE CONT. CLEAT FASTEN WITH 1 1/2" SCREW THROUGH SLOTTED HOLES @ 24" O.C.
- 1 1/2" SCREW FASTENER W/ NEOPRENE WASHER @ 24" O.C. - COLOR TO MATCH FLASHING
- EXISTING FASCIA BD. TO REMAIN BD.
- ROOFING FASTENER AS REQUIRED BY ROOFING MFR. LENGTH TO PENETRATE EXISTING PLYWD. SHEATHING
- EXISTING WOOD FRAMING
- 24 GAGE G.I. FLASHING SIZE & SHAPE AS SHOWN
- NEW 3/8" CONT. PLYWOOD
- 3 NEW 2X6 PARAPET PLATES FASTENED TOGETHER W/ 2-16D NAILS @ 24" OC - EACH PLATE, LOCATE ON ROOF AND WALL BELOW AS SHOWN
- NEW WD 2X RIPPED TO FIT SPACE FOR SOLID BASE FOR NEW 2X6 PARAPET
- NEW SINGLE PLY ROOF MEMBRANE
- 24 GAGE PRE-FINISHED STEEL FLASHING/FASCIA - SIZE AND SHAPE AS SHOWN
- REMOVE EXISTING FASCIA PANEL TO CUT BOTTOM UP 6" +/- FOR NEW ROOFING & PROTECTION BD. REPLACE FASCIA PANELS AFTER ROOFING IS IN PLACE
- WD, 2X4, RIP TO SIZE & FASTEN TOGETHER TO PROVIDE HT. REQUIRED
- 2 - 2X8 WD. CURB
- NEW 24 GAGE PRE-FINISHED FLASHING COVER, SIZE & SHAPE AS SHOWN
- NEW CONT. 2X4
- EXISTING MECH. ROOM UNIT
- CUT A & REMOVE BOTTOM PORTION OF EXISTING FLASHING
- REMOVE EXISTING ROOFING
- EXISTING STEEL MECHANICAL STRUCTURE TO REMAIN
- REMOVE EXISTING ROOFING IF POSSIBLE, IF NOT PROVIDE A CLEAN CUT BETWEEN REMOVED PORTION AND PORTION TO REMAIN IN LOCATION SHOWN
- BEND EXISTING FLASHING IF REQUIRED, RESEAL ALL EDGES AND CORNERS
- EXISTING CURB
- SLIDE NEW 24 GAGE GI FLASHING UNDER EXISTING AS SHOWN
- EXISTING GI FLASHING TO REMAIN
- ROOFING MFR FLASHING MATERIAL
- NEW 24 GAGE COUNTER FLASHING

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ROOF DETAILS

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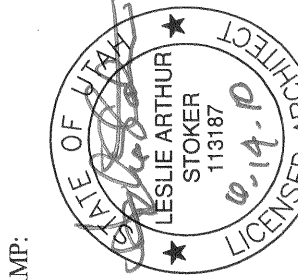
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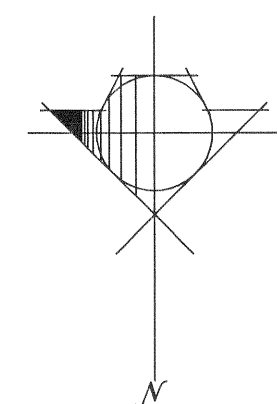
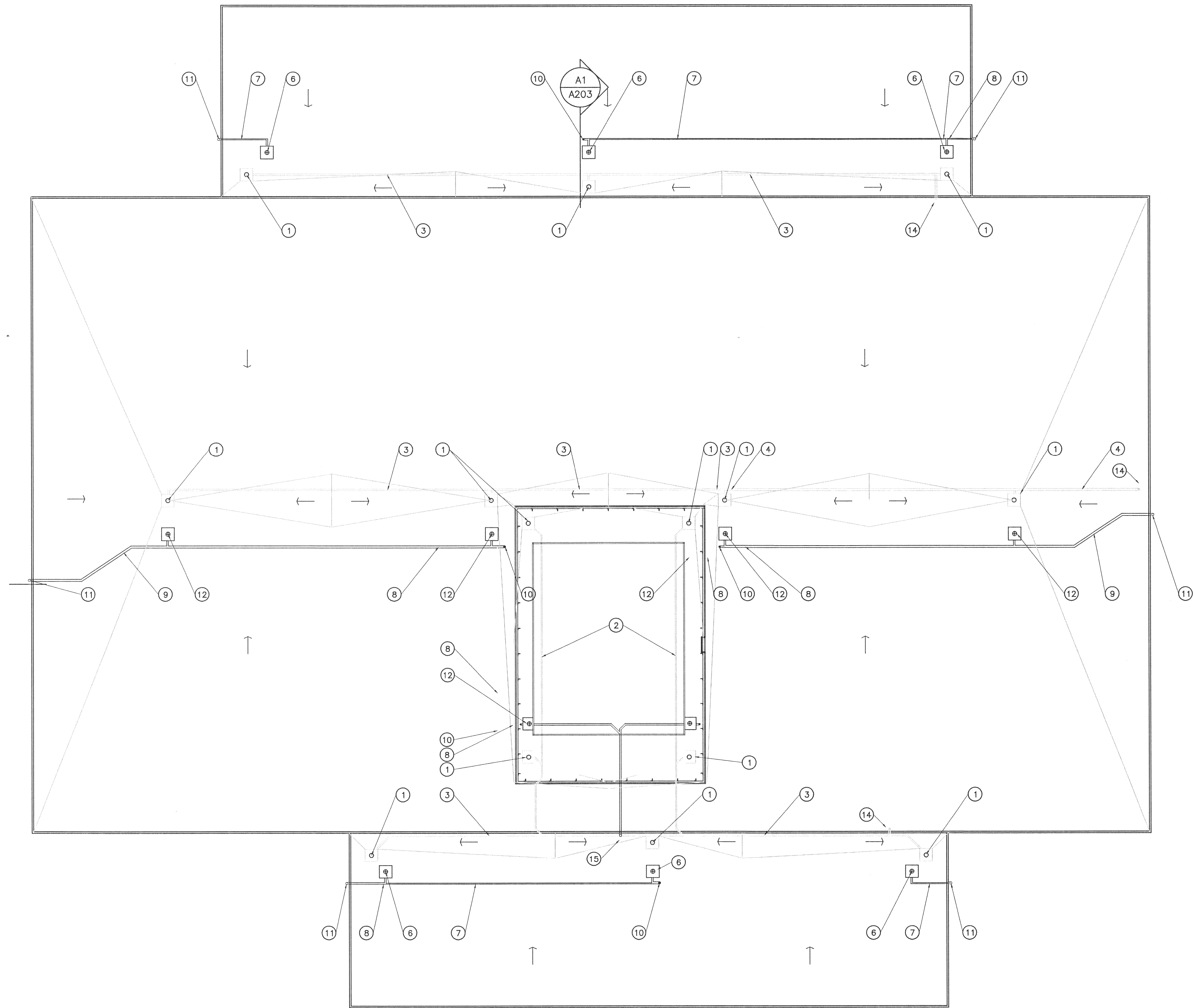
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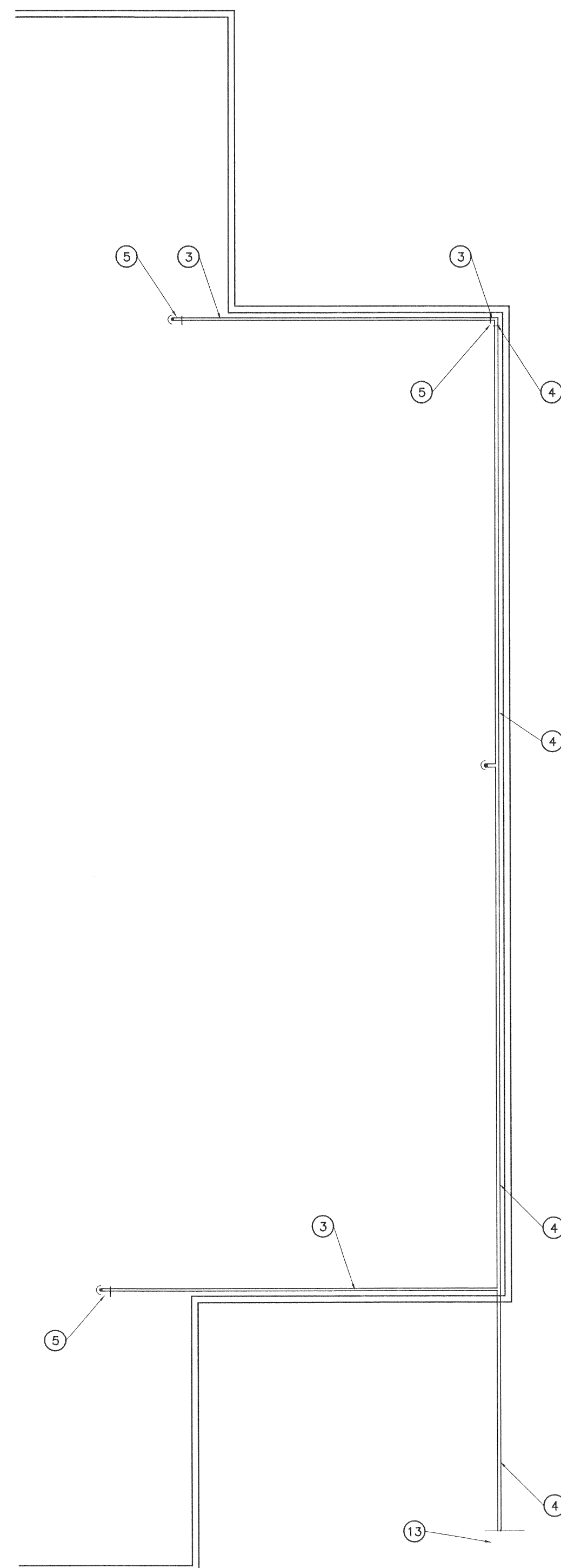
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A1 ROOF DRAINAGE PLAN

3/32" = 1'-0"



PRIMARY DRAIN SYSTEM SHOWN FOR
INFORMATION ONLY. RAISING ROOF DRAINS
IS THE ONLY WORK REQUIRED ON THE
PRIMARY ROOF DRAIN SYSTEM

A1 BASEMENT

3/32" = 1'-0"

KEYNOTES

- EXISTING 2" ROOF DRAIN
- EXISTING 2" ROOF DRAIN LINE
- EXISTING 3" ROOF DRAIN LINE
- EXISTING 4" ROOF DRAIN LINE
- EXISTING CLEAN OUT
- NEW 2" SECONDARY ROOF DRAIN
- NEW 2" SECONDARY ROOF DRAIN LINE
- NEW 3" SECONDARY ROOF DRAIN LINE
- NEW 4" SECONDARY ROOF DRAIN LINE
- NEW CLEAN OUT
- NEW THRU THE WALL GARGOYLE. DAYLITE
TO EXTERIOR AT A HT ABOVE CEILING
- NEW 3" SECONDARY ROOF DRAIN
- EXTENDS TO PARKING
- EXISTING DROP TO BASEMENT
- SECONDARY LINE TO DAYLITE THRU SOFFIT
ONTO LOWER ROOF

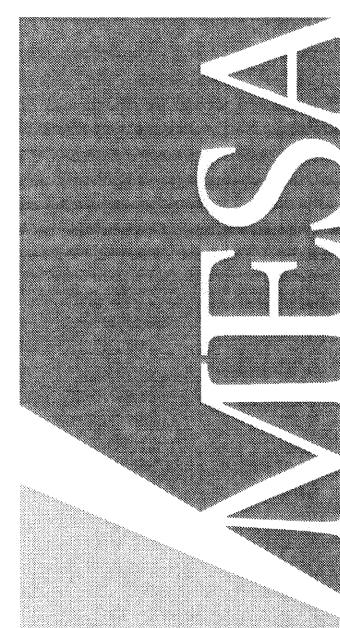
GENERAL NOTES

- COORDINATE EXACT LOCATION OF EXTERIOR
WALL PENETRATIONS FOR SECONDARY ROOF
DRAIN LINES W/ ARCHITECT



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331 MAIN STREET
ST. GEORGE, UT 84770
PHONE 435-673-4800 FAX 435-673-4801



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